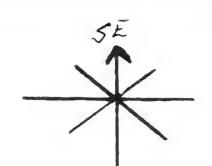
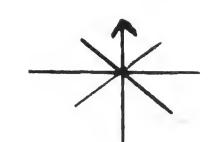


DATE/Sort 64
Pg.# 1

		p.		\mathcal{N}			
	time	species		dir.	hgt.	remarks	loc.
	1330	Begin O.	lice	reolie	nd		
	1415	Commen Wooddy	2		100 ou		
	H 19	Bulwers	1	SE			
	1420	Comm. Noddy	3	ω			
	1422	Frigate	1	5		High-just under aloud	
	1425	C. Noddy	2	S	wave		
	1426	11 11	2	E		Sitting on the water	
\langle	1430(RFB	5	5		7 Reeding	
1	1 5	WT	10			5	
4	14137	C. Nodely	152		WTops		
	1438	C. Noday	1		wtops		
		C. Worldy			w tops		
	1	a wooldy	`	Sw			
	11	e woody)	N			
6		RF B	4	E		& Feeding year honzon	
15		Company	25±	5		204	
	-	Frigate	5t			High above flock	
3/3	1454	WT	し、 とt			feeding near honizon	
C		CN	30I) monizon	
* E	15 11	Common Woodley	15t	5 5 h)	Feeding	
	1517	common Nockely	l	5 w			
	1521	W.T. Trespection	1	SW			
	15 28	R.F. Books	/	E			
	1631	Common Naddy	ł	Ē			
	1538	R. F. Booky	2	55			
	1541	Wielgelaid	ļ	SE			
	1548	widgets.		5			
	1556	wedgetail	کید (5			
	1538	Weolgetail	1	5			
	1600	Groddy Tom)	5			
	16 09	Wielzetoil	1	5			
	1616	Kommon Nedde)	5			

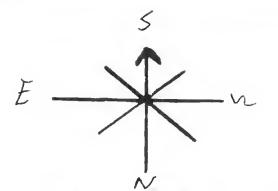


	time	species	#	dir.	hgt.	remarks	loc.
		wedgetail	2	NE			
	627	Commen Nodels					
		R. F. Booky	2	S E S E			
	1634	Wedgetail	2	SE SE			
		westerlail	(SE			
	1637	, IA	2				
		wedgelail	3	52= 5			
	1638 1639	Wielgelail		5			
	16HZ		1-0	-	.·	3 dank diese	
S	1677	CN	140			3 dark phase	
7		RFB	3)			
	1652	R. F. Booky	1	8Ē			
	1643	CN	(20			
(2)	1643	WT	1	C,			
	1645	CN	3	6			
	1646	WT	γ	Ç			
	16 48	ĊN	2	E			
	1649	CN	1	6			
	1650	WT	,				
	1658	RFB	1	UE			
	1659	CN	1	E			
		WT CN	3	8			
	1702	G. Frigate	2	KE			
	1708	RFB	1	5 E		CII WATER OF A	
	1701	WT	1	1 mu		all northern white phase adults as far as I could tell; associated but flying singly	
	1713	wT	1	SW SW		, singly	
		Ch	2	SW			7
	1715	CN	1	SW)			
	1717	WT CN	1	w			
	1717	CN	1	SW SW		3 flying separately	
	1726	wedgetail	1.1 :	5w-			
(1729	CW	1at			7	
6			40 ±	ES		E feed - S	
7		RFB	3 ×				
	1734	WT	1	ع			

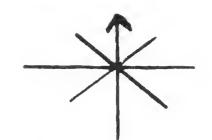


time	species	#	dir.	hgt.	remarks	loc.
1735-40		12		W	Not a flock, these 12 birds trans	
					assingles (equals 12 observations en	
1741	WT	2		W	Sightonys)	
1745						
1742	WT)		ω		
1743	wT -	5		2		
1744	wī	4			To since le c	
1745	wT	6		E.	In singles In singles	
1745	uT			1		
1747	WT	4		2	1/	
1747		1		3	11	
1748	WT	5		2	ni to Pi i a sa i i i	
1749	WT	18		E	Not a flock crossing bow as singles	
1753	WT			2		
1755	WT	2		3		
1757	wi	6		€	I isumediate phase bird, notaflock	
1800	WT	3		€		
1805	Wedgetail	3		5E		
1906	Brn Bealy	1		92 6		
1808	R.F. Booky	/		NE	nata flock	
1810	westail	6		E	nata floor	
1811	Wedgelow'	3				
1822	Willistail	4		E		
	1 7.0			SE		
1430	walesta!			55	Some does by water	
1831	Show. Pela	1			James 100 martin	
1834	Bulwers P	1		SE		
1850	Enlaber	tal	ei A			

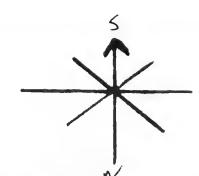
	time	species	#	dir. h	gt.	remarks	loc.
		Observato					
	1	Sh-Pd.SP			`		
	0619		1	5 W			
		Sh. palal	1	5			
	0629	wer A. A	1	5 5w			
	0815	a edylail	1	3.60			
	0828	wedgeldel	1	5			
	0833	Bulwers P	1	5			
The Mint	2900	whitement	!	W SE			
	10903	Wedgetail Tropiclistes	1	5			
	0915	Tropiclistes	(
	0919	Favry Term	1	5~			
	0920	Wedgetail	2	5 =			
	0921	5 hear- Potal	l	E			
	0925	Wedgetoit	1	W		1 1 111 / 1/10 11 / 12/	
	0932	Patraly	1	5 W		Dark on top light underweath (boreast) about the	
	0945	Shear-Perel	1	3		size da belivers, flir mou like a storm petral	
	0948	Pt. specia					
	10:07		3	N		Dark-nuppel?	
	10:07		1	5			
	10:08		,	we l		Seen by the crowman, not me RBC	1 4
	1028	WT	1	S		50 . 3	
	1030	wT	2	tosu			
	1036	WN Petvel	2	NW		One seen well, the other probably the	
	1051	Bulwers	1	6		savve.	
	1053	WT	1				
	1054	PA.Sp.	1	N		large	
	1109	Bonin to P	2	SW			
	1115	Bonin La P	1	5ω		6	
	11.2	1 . A ./	,	5 W			
	1130	Woodselow	ŀ	5 6			
118	1157	Bonin La P	1	E			
	1206	5 hear Patrel	1	W		Silling on water	
	1209	wedgetail)	É			
1-1-	12 11	D-R-P	2	5			
	1213	Wedgetout	1	SW			1140



	time	species	#	dir.	het.	remarks	loc.
	1218	u volgetail	3	SW			
FISE	1223	Bonin to P	2	W		I rithing on water, the circling around	
	1232	Bulwers Pt. Sp.		N		0 1 286 11 1	
	1405	Frigat	ì	BW		Gloupsed boutly (1g)	
(1406	Tem Aps	1	5Ē		Looked like it had donk cap gregon top of wings and lack	
	12/1/	Red T. Tropiclises	3	5		Looked like it had a donk cap greyon tops of wings and lock white underwing and looky Sittingon water, 2 of then had no tails	
	1510	Petal up.	j	sw		Believe it was some as one this morning 5 mall brown	
						Believe it was some as one this morning. 5 mall, brown or dock wings an top and underneath, white body, Tol	
		DRP	١	SĒ		under tal white, blew different, wind notas ligh.	
?		Bonn. Petre	,				
		Bonin La p		5 6			
	1850		1	rivale	en l		
		0					
		*					
							1



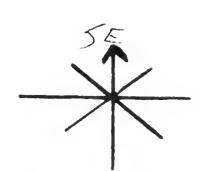
	time	species	#	dir.	hgt.	remarks	loc.
6-510	Obse	riations	be	gun			
	0710	R.T. Tropiclard	1	Ē			
	0946	Sur Is. Rtel	1	N		Back appeared danker rather than lighter	
	0859	Terr Sh. Petret	10± S±			Bin edge of rain squall - No possibility of more consider identification - Fredy?	
	5900	Sheon up	1	5		All dank bird; Flying more steadily than wild usually do; somewhat lighter underweath Bobby thought it was probably a C. IS. Flight 16T very wi	
	0927	Saly Tenn	6	NE		Travelling	
ST&P	0928	Petvel	ł	2		-Seen well-all whole undermath, gray on top with while sides to nech. Could not have been da-to rumped since rump was distinctly lighter	
	6932	Teurs Sp	10 I	se		than hest of upperparts - a grayish white - Probably night on the edge of a tain squall	
3714	0936	DRP	1	W		and nothing more than forms discounable. Travelling	
	(1017)	Soots Tem	101	44		Fuding in rain	
		R.T. Tropic bid	2 1	5		Sitting on water, in rain	
	1350	Banin do P	1	5			
	1335			N			
	1832	Sh. Peted sp		SE		(Vide Perry)	
	1835					Too dark for proper i deutification	
	10-	Obser	9(-		anche		
		-					



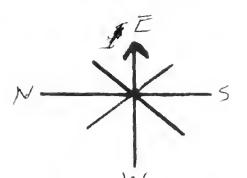
		,					
	time	species	#	dir.	hgt.	remarks	loc.
	0610	Observa	n; f	is by	gun		
	V614	WT		N		dark phase - some	
(4641	DR Petrel)	isω .		dark rump on this bird and some white on sides	
	0703					Ef neck but no more than that on the while B	
P 2:	1	DR Petrel?	. \	<		named dans mured petrol seen gestenday "	
			,			Not seen well; lange Pteradroma revitainly c	
PE-	0704	71-2	1	5		Probably D. R.	
						11 11	
d.	0727	WI		5		DK Phuse	
SFIZ		DR Petrel	1	5			
Na-		Lew Retret	1	5			
	0810	Shear Putul	1	E			
	0811	Widgeton	l ,	NW			
	0816	Wedgetail		5ω			
	0821	DR P	1	5 W 5 E=			
	0845	Show- Petrel		\mathbb{Z}		Flight distinctly different under calmer B+	
	0450	I wedge toil		W		Thight distinctly different under calmer B+	
						more leisurely and the body axis IT	
						more leisniely and the body axis (T) remains near the horizontal more of the	
						time	
	1002	Bulwers	١	NE		Smaller Him . 1 T	
						Smaller Han WT-all brown above + below; light "noddy pattern noticeable on wass	
						Flight somewhat more vapid than Wi	
						just seen but generally similar. How would	
						a big Pterodroma Ply in a calm sea. A-	
	1024	Sheir-Petrel	١	NE		Glimpsed once but briefly	
P	1028-	WW-PETEL	1	5			
<i>i</i> .						Face and head very light; back a light gray-black with rump not distinguishing	
						detterent i'veolor. Some white extending	
						up sides of throat. WN on basis of this	
						and very light impressive gren by hour nect	
	1029	Sh. Pehel	\	5W		- Possibly same as above bird	
	LOHO	Godden Plauer	١	S		- A - Didnt civele ship but Finally left heady	
	1045	RTTB	Ì	2	-	in the vector between S and SE	
	他因為	P-1-1-SP				1045-Ploven back again	
701	1054	WN Petiel		C		Bt neck patches obvious - decidely gray-black	
		161161)		News parents - News parent not correct	

	5
E.	W
	1,

		ý	!				
***************************************		species	#		hgt.	This live definitely had a white rump.	loc.
	1145	wnp	,	SW		I ha lover definitely had a white rungs.	
<i>!</i>	1755	Bonn Lit	1	5			
	1200	Sooty Town	2	Ē		Very low to water compared to other Sorty Torns I have seen	
F' 6	1240	WNP	1	NW		Seen-briefly -but at fainly close varge -	
					, 1	Back grey black; whitish impression	
						of head and best look at rump which	
						was was whitish with a darker median area	
	1315	DRP	١	NE		Neck appeared concolor with head and	
						back despite what I thought were extensions of neek patches, these were	
						not that predominant. The bird possessed	
				-		a whitish rump and was clear white undermally.	
						(No noticeable wmg margin) B+	
	1404	n uda Dail	2	5		Idonts I light	
	14130	Bulwers P	1	5w			
	1423	5 har-Patril	2	5			
7 7 6	1728	a Do Ramphones	J				
	1458	widgetail	2	W			
	1506	w dontail	1	5			
	1508	5 hears. Patral	ŧ	NE	i P		
	1517	wielze oil	1	SE			
	1530	5 hear Petril	١	NE		Seen by watch	
71/	1603	DRP	1			Iniatially sitting on water (Vide Termite)	
	1607	CISh.	7	NW	-	Not seen by me (RBC)	
						horzontal Play-Play-Play Sear. Color chunkmess	
						all right - At	
	1610					Small school (E?) of small dolphins seen swimmy ESE - Not seen well	
7	1713	-WW-P	2	NW			
		Scoty Tern	カユ	NE		seen over small as school of skipjack? turici -	
	1715	Pt.sp.	2	SE		Carina a la	
1	7.7	END		_		Cookilarier group. Don'ts head, top of wings and tree to don't want underwings and brost and undertail white klav	
122.		Arm Car				about like a Bonin Is P, about the same ringe	
						I work is I proved the same of the	

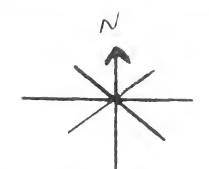


-	time	species	#	dir.	hgt.	remarks			loc.
6-110	1020	24 /	,						
PRY	1805	patrology X Patrology X Wedgetail Patrology X Wedgetail Patrology X WN P Christmas he 5 Petrology X End O bre	1	5 w					
l'	1807	p.tul.sp.x	1	SE					
7	1813	Wednestail	1	SE		haplit			
194.05	1823	Patrol of X	1	5w		δ			
	1829	wrp	1	5					
2	1831	Petre p X	1	2 00					
	1830	End O bre	wa	lions					
								10	
						0			
					8				
									and the same of th

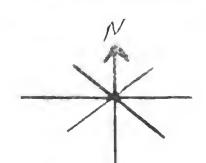


	time	species	#	dir.	hgt.	remarks	loc
	0550	Bigin (l	Lere	utie.	1		
		Shear Petral		5 5Ē			
		Petrul sp	1	NE			
		Show- Petrel	,	5			
100	0656	u majetail	2	E			
	0658	Wester tan	l	W		VI street	
	0766	w adryclail	1	N		Light	1
	6707	widgeten	(5		Danke	
1-	0709	Patril sp X	1	E		E een lig watch	
	0725	5 Lear-Patril	1	SE		2 een ly water	
1911	0900	Pterodroma y	1	S		large-externa or phase pygia	
121	0918	DRIBP	١	S		vide Termite (Says saw no white neck -)	
	0925	Birdsp	١	S		At limits of visibility - apparent only as a	
1.41	0434	WP	1	5 w		black dot. Flew low over water and thus (from estimated size) is probably a Puffimes	
	0440	Shoon- Putul	1	NE		(wy) or Herodroman	
	0941	wedgeted	1.	NI		don't.	
✓	0944	a tuly x	2	NE			
	9945	ORP	1	NE			
	(5950)	Thean. Putul)	W			
0.0	0951	DR-4	1	5E			
	0954	widgelail	2	NW			
E S	0955	Pater in	入	NE			
	0459	Bulwery P	2	NE			
156	9000	P-R-P	2	NW			
	1006	Show Pital	1	Num		I = I	1
	14.57	5/man-Petral	1		Lien	by water	
	1015	Patraly X	2	WE			
V	11121	Prevolunasp	١	NE		Smaller than externa philicopy in Cookiloner? B	
	1132	Tem sp	1	5		Définite ten guil flight - Termite vent Bi sure + was a jaeger!?	
F	1133	DRP	1	S		Definite light rump, no pronounced palches on side on neek; napeconculu with but Bt	
	1134	C.I.Sh.	\	5			
	1245	1 0 1		N			
100	1250	Banin La 1	1	5		sitting an water	
Lar	1315	Banin 4-12	1	Nu'			

		5 w		SE			
	time	species	*	dir.	het.	remarks	loc.
	1409) WT	2	1		2 dent place	
	1459	WT	1	N		S	
l,	1558	anto?	1	W E			
	1615		1	Ē		Lang nows aff.	
Per	1655	wrop	2	SE			
	1718	•	2	NE			
100	1738		١	E		A	
		- Observal	,~,	cur	elvel	el .	
						Total birds 52	
						Total sightings 42	
(Ž.							



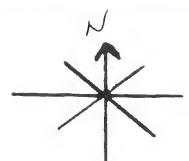
	time	species	#	dir. hgt.	remarks	loc
	6:W			begun -		
	0615 0628 3630		1	DW DW		
		WNP	ı	5		
	0705	Sooty Sh. Sh. Petrol sp wN.P	1	5 5 2 5	Flew somewhat reminered of Christmas' Island - Dark above; dark below with silvery underrys flashman when they caught the sun,	
		Sooty Tern		35€	apparently not feeding (Travelling)	
	0766	Petisp	(
	0757	Newells	1	56	Black back, tail patch evident, very while underweath - Unusual Flight. I did not know what this was never havy seen one before but Termite assured me it was a Nowell's and finally it crossed close across the bow and I got a good look at it.	
7-10	0803	DRP	1	w		
	6 804	Bonin La P	2 3	w		
	0866	DAP She Patroley WNP Petrol-sp.		SW W W SW	They are either DRP or WNP	
	0821	DR P Patral sp.	1 2 .	5 w		
	3837 0844 0845	Kernadic P Bomin Is P Shear-Petral	!	5 W 5	5 een by watch	
T 1	0903	DRP Skeon-Patral	1	w l	Seen by watch 5:thegir water	
	0967	DRP	1	E	sunger were	



t	ime	species	#	dir. het.	remarks	loc.
		Shear-Pital		sw		
VFI	0914	D-R-P S Lear-Patral	2	w	all dark, staged low to water, war 'to us	
1					Seen by watch	
	1916	Shen-Petrol	1	CIO	Seen by water	
I ale	0421)	5 n		
	0930	Souty Tom Shear-Petul		W	Bulldonk, about rigge for wT, plen like a DRP, one white us	roler mings
	TUHI	Petrel sp. Y	-1		The small Pterodroma petrel of southern waters normally listed as B.I. Petrel. but	
	1047	Petrel-Sheursp	1	St-	to conform with Husted here listed as Petrel X.	
	1164	Widgetail	1	E	Dank	
	11/13	shear-Petal	1	NE		
JFP		ORP	1	NE		
	1	Frugate	1	w'		· ·
	1		,	1	Seen by watch	
		DRP	1	E		
[- s · - '	1201	Shor. Patril	1	5		
		Shoon-Patral		W	Alldors, flow like a petral with high ares and twining and riche frequently. No white was noticible wings touther were infrequent. might be 55, but I doubt it.	Beals
				56	were infrequent. Might be 55, but & doubt it.	
J 1 /	1234	DRP	1		light phase	
	1235	WT	1	M		- (-
	1244	KITB	1	NW		
	1356	Souty Tom		770		
1		Windgeterilly Frigate	20	10	feeding	
5-4		Shon-Patril	20	†16 ±5		
	(1450)	wudgetail	,	su)	Iarh	
1	1459	DRF	1	5		
2/1	1512	040	ı	Sw		

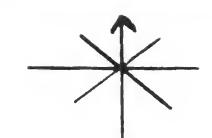


	time	species	#	dir.	het.	remarks	loc.
	1548	TB sp.	l			Down haryn	
	1600	Shear Pet sp	1			1	
	1613	11 ()	.[NE			
	1623	Petrel go	1	W		Danmet. This just might have been a light phase Kermacker but I just didn't get that good a look.	
	1634	Bird SP	(5		Seen by bow but not by me RRC	
,0	1635	Cook" Pertural	1	SE		8	
3	1855		20-	10		feeding flock. This flock was very interesting in that of the some 20 petre procellarious identified with it I was unable to spot	
		Enigate	7			a single wt. Of the 5 petrels I saw well and at close range 4 were decidedly w.b. while the fifth may have been dark-rump.	
	1709	Golden Plover	1			I suspect though that it was probably one form or another of the while-neck - Dayle notes that some of the souty terms	
	1712	WT	(Dark phuse	
	1715	WT	2,			tain buase	
77	1817	DAP	1				
	1840	Endobro	nie	la	0		

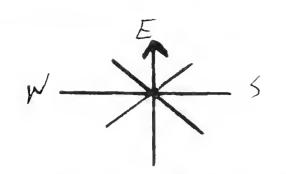


	ime				hgt.	remarks	loc.
1		Begin O.	brer	intro	\$		
	0759	weolystad	1				
		Supar- Ehrel	1				
0	3820	Petrelsp	}	N		haige Pterodoma - At too great a distance	
	3824	`				to distinguish whether DR a WN	
			\	N		I\ L	
		Shower h sp		S		5 ooty?	
		"Cook" Petrel)	N		on Bonin?	
		Shear. Petul	}	W			
	0940	Frigate	1	N			
	2941	DRP Souty Term		N E			
	3944	, 0		コルー		Travelling	
	0943	Souty Turn DRP		N		5	
	1007)	DAP	1	W			
	10 25	Sooly Tem	10	w -			
2		Sooly Term Favy Tirm DRP Shor-Petrol	1				
		DRP Shir Patul	5	±2			
	1011			NW			
	1056	D-RP Shea-Pelvel		N			
			1	15			
	11			N			
(H 31	Shear Pehol					
15 1	447	DRP	1	9			
1	H48	DRP Shew. Pelul DRP	1	5			
1	532	ORN	2	WE			
		DRP	1	5		ala do di a a a a di A a	
/	1610	5 hear-Petral	1	5		- alldork, about rige of DRP, plus more like a ptrel	
1	720	c1 (1	(5		(Poss.bly WT)	
l	840	- 00		0.00			
		vicence	1	VVE.			
							-

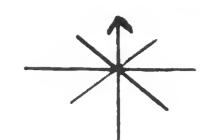




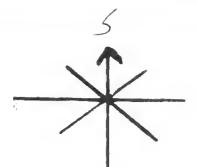
	time	species	#	dir. hgt.	remarks	loc.
	.		2	tegu		
	555		1	SE		
		Sh-petre 1 Souty Shus		NE		
					OVS	
	0636	WTTB		e		
		WT	1	5	light phase	
	0716		1	2	Same as 636? an hydro-statin the	
	0749	Sooty Sh		S	whole time -	
E	1015	Shear-Patral				
	1034		1	E to NW		
	1715	Souty Term DRP	20	+ 2	Fueling	
		Shon-Patril	25	+5		
		Frighte	1			
100	1125	DAP	1	5		
	12/17	WITB	1	2		
IFP	1249	DRP	1	SW		
	130)	Shear-Pehral	(608		
20	1454)	DRP	1	W		
	1700	35 Ema?			havge with good wingspread, light-brown	
					allower. Aging high tropic bue ht.	
					Not shearwater Termite thought it was	
					skua - This on a jurger but worked lange	
					For a jarger-Rapid flight like term but much too large for any term on this area	
					Flight di & not appear especially gull-like-	
					Temiles blentitication may well be	
					convect.	
		1 > 1		4		
	1850	End Oba	2 Wa	cons		
						1



	time	species	#	dir.	hgt.	remarks	loc.
	0 545	Beging Joh		1			
	0641	Shear- Patral	1	E			
	0836	wageton!	1	E			
		DRP	1	5E			
	9805	Sody Shew	1	6			
	0625	let	١			DP	
5 W	1521	DRP	23	+		C 1 + 0 1P1 P1P P	
		WUP	53			Somewhat doubtful if this was a flock; if so at least they were not feeding. The first	K n
NIS		Enigate	(two birds seen (DRP) were sitting on	E. W.C.
1						the water. At least I was seen with	Are U
						(of some 10 were DRP at seems likely that	
15/-/	1636	DAP	6	w		Several more were WNP.)	
2	1436	Bonin ka P	2			Feeding	
		Wilstail	4				
	1704	Kormada Petel		W			
		w edytail		4 /			
	1711	0	'	<i>//</i>			
	1715	Wedgetail	1	W			
114	1716	DRA	1	5E			
	C835	Obremet	n	cuc	lide	of	



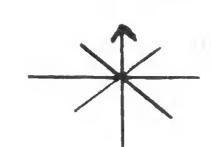
time	species	#	dir.	het.	remarks	loc.
Clock	Observate	vs	Toracy	~ _		
0633	WT	2				
0653		1	5			
0807	0 R P	2	Ē			
105H	WNP		× W S	:		
(105H)	WW-P Peticl sp	1	5			
1108			5 W			
1108	DRP- WNP		5 W			
1434	OAP	,	SE			
1/2/16	Shpetrelsp	1	(g) .			
1651	11 (1		1			
1001	End Ob					
1830	Land Ob	ari.		7		



		•					
	time	species	#	dir.	hgt.	remarks	loc.
	0550	Bogin Ohen	vate				
	0723	5 Lear - Patril	2	E		in the sun, but they were probably w 1.	
100	0810	"Cook" Petvels	1	5			
	08凤	"Cook" Petvels	2	S	31 P	Small Pterodroma not seen too well but	
		7		-,		apparently lacking black slack under wing characterister of Bonin-Underwy apparents	<i>3</i> ;**
						all whitsh without black nim.	
	1008	Scots Troms Windgetalls	60	IN E		Fueling	
		w edgetalls	15	+ 5		, and any	
1		DRP	30	-5			
		osherin Patul	20	±5			
		Frigate	2.				
A 6	1035						
Ph//3	1109	Boring as P		5	1	Possessed prominent black wing stast margins	
3.5%	1113	DRP	}	5		but skish not noted.	
TFP	1142	DRP	1	2			
	1220	Shean-petrelsp	1	0			
	1238	Sooty Tour	1	N			
1		D-R-P	1	W			
	133'5	Shorn Petral	1	W			
	1345	Staty Tema	20	E		Facility	
		OR-P	10	±2			
. 2		in edystail	2				
	ann a	3 hear - Petro	7	13			
	1355	-D-R-P	1	W			
	1410	Peliel-Shenlersp.	}	N		Brown above, with underwings brown with	
						white towards tips of underwing. White	
						slash on top of wings - a partial albino. Kermadee? White belly throat not	
						observed - Flight rather slow and leisurely -	
E L-Y	1555	Bounds P	} -	5Ê		3. 3.0000000000000000000000000000000000	
TIP	1732	DR P	1	SE.			
Name of the	1713	WNP	· }	S			
	.016	Sooty Town	25	1			
		wilgetoil	10	<u>+</u>		Feeling	
35		DAP	10	1			
		5 Lean - Petrul	10	-			
75.0	1737	DRP	2	2			
	1742	DRP Elysevent		revel	ket		
			4				

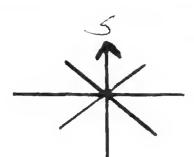


	time	species	#	dir.	hgt.	remarks	loc.
		ewaters her				(4 DR, 4 WNP - vest pend sheauts - Territe!	
	1	0605				Occurring in singles. Awake about 5 minutes babe	
	0615	Shear-petrolsp	(N		(Should cent as 15 sighess) (1 shovebird)	
7-14	0619	wwp.	١	2			
W. 2 = (0625	WNP	15	2		1 Not Reeding	
• • .		DRP	10	N	}		
		Kermedec P	١	N	/ -	I all dark with white flash on promanes	
	0626	Petrel Sh	1	N			
7	063k	DRR	1	W			
12	0632	94 W	(in			
	0633	DRP	1	v			
	0636	Storm-petrol 14:	PI	ع		white-rumped- Haveants	
) = ==================================	0638	940	\	N			
2 (06391	Pehal-Sh -	30	工		Circling-apparents not feeding? Prob.	
1-	0642	W.N-P	1	NE		DRP + WAP	
	0643	WNP	1	NE			
12.00	0647	WNP	1	N			
3576	UGH8	DRP	t	ν			
10 m	0650	WWD	ı	N			
- manual	0654	"Cook Pelvel"	ı	2			
		Relvel-Sh	1	NE			
777	0655	DRP	1	N		Court as S signings not a flock	
		Petrel-Shear	5	NE		Eod The San	
_3 {(0705	Itavcounty 5 Pok	46	NE 1		white rump patch' appeared broad across base of travelling teil (not incipiently divided as in Lewhere) of Travelling	
	0704	Kermadec?	1	5			
511	0707	DRP	١	~			
	0713	-UND	'	~			
11	0714	DRT	\	<i>b</i> -			
14.1	0715	.WNP	'				
1	0718	Retrel-Steen	3	N		(DRPa word)	
	0719	Storm Peters	2	M.C.			
li i	0720	Pehd-Sheur	4	N			
		D. 1 C.	95	+ W T		Probably Pheredioma and WT - Circles but not seen hitly a our sufer	
#2	0740	remel- Steam	5	S)/		
4.		song levin) Feeding?	
	MINIT	Tehel gren	Z	N			
2.	0743	rehel sun	1				
100	0/1)		,				

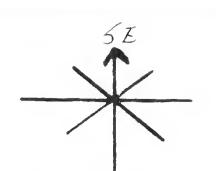


DATE Sept 12
Pg.# 2

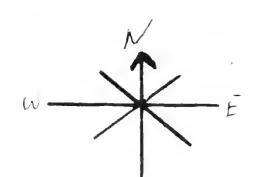
	time	species	#	dir.	hgt.	remarks		loc
	0749	WNP						
	0750	Newells SI	56			white bolly - seon very well		
550	0754	Kermedee -	T	W+		Thank to the		
25/		DRP	Ι'.	± >				
		Sooly Tem	6					
	0800	Petrel. Sh	3					
	0809	9-R-P-	4	6		Nota block.		
1 37		WNP	3	Ø		process.		
	0811	Scoty Tem	5	5				
(62)		Scoty Term Wedgetral DR#	3			Torovelling		
			4					
		NNA	1					
	0816	wedge sil	1	5 W				
IFF		ORP	3					
	0818	Shoon-Patrul	1	E				
Per	0827	WNP	1	N				
	0832	Wedgeton	1	W		Dark		
Pare		WNP	1					
7714	İ	DRA	2					
177	0837	DAP	1	SW				
SAR	0840	DRP	1	SE		į daras ir d		
	0845	Wedgetow	1	E				
980	8848	prp	1	Ē				
7	0849	WNP	1	9				
9	0852	Boring & P	1	E				1
	0900	WWP	2	5 W				
1717	0924	DAP		SE				
	0927	w religibal		N		Darle		
TIP	0931	DRP	1	E				
8.4	0441	WWP	1	3			1	
3.85	0943	DRP	1	S				
	0455	Sheun-Pelel	3	-		Two Rish balls picked up. One normal, the other an orange plastic manstresity		
	10:03	h 1,	1	N		o mor an orange plastic missis		
	-							



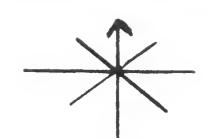
	-1		11.	d :	hat	woma wie a	loc.
, ,	1006	species DRP	1	E	IIXL	remarks	3000
7{(1010	DRP	5			Flying southwost in a compact string of Five- Peeled off one by one from rearmost bird and Travel headel northernly. Picked up another Fish ball.	lling
	1016	Su, Petrel	1	Se			
	1022	Su, Petrel	1	NE			
-10	1034	DRP	١	3			
	1041	Harcourty	2	SW		while rumps but not seen well enough to note it anterior surface was improged with gray-brown -	
	1055	Bulsp	١			Not seen by me RBO	
5E.	1155	Shar-Patul Shear-Patul	ス	55			
7	1217	show Petral	1	NE		Seen by watch	
	1237	11 11	1	NW			
8 { (1243	Sooty Tem	6	5		Travelling	
ب.	1253	Shean Peter	1	W			
92	1257	(1)	5 P	±5?		Right at the limits of visibility - Funding	
TER	1312	DRP	2	SE			
	1319	Shear. Petrel	1	34			
2010	1320	DRPL	1	NE			
	1354	Her worts	1	SE			
	1409	Harrante stom P	1	SE			
5/	1416	Souty I en	5	NE			
10 {		Widertiel	2			Feeling	
-		ORP	5	Q			
	1437	Sosty Tun	(Ē			
P. Age	1434	WNP	2	NE			
51	1442	Scoty Tom	5	5E.		ydank Feetling	
112		w wolgetoil	8			Hotel)	
		DRP	-				
177	14149	DRP-	1	5			
	1450	5 hear-Putul	1	SE			
1'=-		WN-P		NW			
9 11 11	1458	DRP	1	N		Nata flocis	
25.4	1500	DRP	4	5			
	1507	Souty I on	1	SE			
388	1512	3-90	3	5 W			
120		WNP	1				



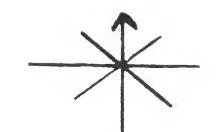
	time	species	#	dir.	hot.	remarks	loc.
	1514	Wielgetail	1	SE			
Fas	1521	was		5			
9 11		Bonin to P	1	5			
n hB		DRP	3				
BUF	1526	Barrier La P	ł	SE			
123(1531	DRP J'	ス51	S		danh & sitting on water with white slashes symptomically on some	
TIVE	1545	DRP	١	S		with white slashes symetrically on several of the outer primaries. Furling	
	1547	Sh-petrel	1	SE			
13 { (1552	Sooty Tem	9	5E		- travelling	
715	1553	DRP	2	S			
	1600	Brustie Jaeger	1	Sw		This came close and was observed closely by me (and Termite) It fit the description in Peterson	
	1(a) 2.	Sh. Petrel	2			to a T. It possessed the same overall color	
24	VESP	Pelvel sp	3			pattern, the barred rump, and the small slightly pointed central tail feathers. I have seen Pomarme Japaers before and this bird appeared definitely smaller. It was light below and dustrien toward the abest but barry of the underparts was not especially comes notice able. Returnal at 1615 and circled behind the ship. At one point it circled	
		Hancourt SP.	2	2		above a large Pterodroma, turned and drove it into the water. Chase was not pursued -	
		,	1	37		· ·	
14	1625	Sooty Term	35 15	* * *		- feeding - About a third of the Sorties were immuture Feeding on Skipjack -	
	1659	COUT -	12			duh	
	1704	Petrel Shuker	1	SE			
			7	2 2			
	1706	Sosts Tem Hancounts		N			
	1716	Petrel-Sh.	,	W			
	1730	w.edgelai!	i	SW			
11.1	1735	PRP	3	5E			
111	1740	DRP	2	SE			
13 {-	1743	Footy Ton 5 Learn Fetrel	42	5E 5W		Travelling	



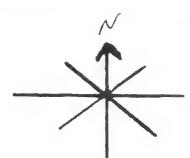
-	time	species			hgt.	remarks	100
	0535	Bugin ob	eri				
	0602	5 hear - Petral	1	NE			
	0630	w whystow's	1	NW		Dark	
TIP	0704	· ·	1	W			
TER	0708	ORP	2	NW			
	0710	Shern. Petral	1	W		about the singe afa ORP, blew like DRP, but had entirely brown enderwings, white underports and dock upper parts	
	0716	wedgetail	2	Ē			
JEP	0717	DRP 1	1	W			
	0718	w solgslow	1	E		Dark	
L.	7317	Born Is	1	NW			
1811	(12-	HIT	1	(2)			
	05.52	WNP		5			
	0914	Petralsp		W			
200	0921	DRP	,	NW			
	0926	Ret-Sin sip					
		\	1	有S			
100	0932	DRP	1	W			
-10	6942	Horasuts SP		50			
E. I.	0944	n R P		W			
	0958	De Po Wedler, Sail	1	w		Dark	
	£9939		,	-			
	1035	Shear-Petrul		F			
	1638	Sooty Ton	2	W			
21/2	1042	-DR-P	1	NW			
	1045	wordental	1	NW		Dark	
	1055	wednetail	1	\sim		Dark	
200	1057	Barrier to P.	1	W			
1600	1119	Banui Petrel	1	W			
=) (9	1134	DRP	1	W			
771.035	1148	Ban in petrel	1	5			
. 0	1217	11-11-	1	3	1		
	1224	Sh; Pet. sp	1	5			
	1225	3 Lewr- Petal	1	NW			
49	1254	Bonizetop	1	W			
100	1366	DRP	1	w			
	1310	1 Lovements		Nu			
	1350	Shar-Patrel	2	W			
						N N N N N N N N N N N N N N N N N N N	
1							1



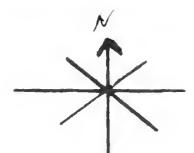
	time	species	#	dir.	høt.	remarks	loc.
	1412	Shpehrel	1	S			
71	1415	Bonn Is. WT Wedgetall DRP ORP Pet red sp WT Clasewater	١	w)			
	1515	WT	1	NE		Dark	
	1631	wedgetail	l	W			
	\$636	ORP	}	F			
	1732	Pet red sp	1	W)			
	1755	WT	\	5		Derh	
	1815	alisen rulis		0	del		



	time	species	#	dir.	het.	remarks	loc.
	0535					Observations began	\$ /
1, .	0540	BT Polar	١	5			
	0600	Sh. Petvel	١	5			
	0639	Sh. Petvel	1	S			
		Kennadeep.		N		light phase	
	0647	Sh. Petrel	1	W		100 M	
	0658	Sh. Petrel Harcants	1	N			
P2.	0701		2	StW			
1	0705	Petral sp	司				
EN	0705	Bornta Is.	Y	N			
1111	0710.	DRP		SW			
0	0725	Bonn Es	2	N			
,	0726	Pehel Sp	2	(\		- Iluis	
18	0749	ShPelad	₹₹			- at long range Travelling	
15. / 1-7	0750	Bonin TS	1	N			
17/12	0754	DRP	١	NW			
	0755	Newells	(ww		1 - 1 - 1 - hite	
	0805	WNP		NW		Head was almost entirely white.	
·	0410	-O-R-P	1	NW			
	0613	Kermade V	1	W		Dont.	
-		RIT, Torapiclero	1	NG			
(0933	200		100			
	09,46		,	N			
2/	0946	Sh. Pehel	40	2		Those bid	
2	0957	DRP	01	85		these birds were seen actively pursuine a large school of small flying fish. At first	
) = L		WT (light)	1)		and brides were present to the total	
	1007					numbers appeared. Several appeared to strulp at Plying Fish at the surface of the water, -	
14		Bonnets	1	N		and then reacher and then regarding	
	10:30	Sh. Petrel DRP	1			flight.	
ELV	11/1	Bonin ds P	1	EW		-	
	1125	Souty Turn	5	W		Fucling	
JF A		-DR-P	4	W		The state of the s	
3		w warsail	3				
)		WT Tapaline	1				
		Sher- Fither	٥				
1 9/2	1134	DBP	(E			



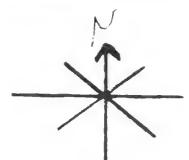
				`			
		species			het.	remarks	loc.
7 7 /=3	1154	nnila		a)			
F T	1155	Banin La P	1	NW			
	1159	Sorty 5 hour	1-	·w			
	1208	Shon-Patrol	1	SW		Sur byustek	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1215	Soute Term	1	NE		Surm by moteh. Freeding	
1 42	1217	Barin La P- Barin La P- Barin La P Sooty Shar Shar-Petrol WNP Sooty Turn DRP	1			1 second	
7F.29	1220	DRP NRP NRP DRP Socty Turn Show- Petrol	1	Ē			
- 6	1221	w w-P	1	W			
7 8 1	1222	DR-P	1	N			
5	1224	Sooty Turn	1.5	-2		Feeding	
5 (Shear-Petrol	5	W			
	1225	5 roty Shear	1 3	u			
	1234	Sh- Petiel	1	W			
	1247	-DRP	t	S			
	1255	Sh. Petrel	}	5			
711	1256	DRP	2	5			
3 1/4	1343	DRP	1	N		about the size spa DRP, hutwill born underwings	
	1400	5 Lean-Pital	(ME		about the rings of a Driver	
E P/P	1403	a relatail	1	W		Park	
		a some	,	6)			
2 - 12	1435	Shear- Patrel	}	W	14		
100-	1500	WNP-	1	NE			
9	1305	Banin to P	1	W			
	1600	Sh. Peliel	1				
72 1	1602	WNP	1	W			
1 . = .	1617	DAP	1	W			
	16 19	Sh-Petrel sp	\				
7	1715	Bonistop	l .	Nu			
	1720	DRT		五		Travelling	
6		w edgetail	4 73				
		Bonia to-P	1				
77.5	1123	DRP					
	1738	South Tum	HO 35 15	Lio +id		Feeding	
1		w ~ P	15	# 5 + 5 + 3			
		Shon Petral Wedgetail	10	±3		1820 Endobservations	



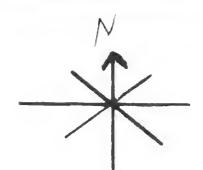
t	ime	species	#	dir.	het.	remarks	loc.
	0	Begin Ob	rer	vulian	1		
	2021	walze toil	1	5			
		D-R-P	1	NW	V		
T) F 12	0638	DR-P	1	W			
		DRP	1	W			
	0642	- Petraly	1	NW			
		Bounts P	1	NW		It sime and but him and while mettled an breast, an	ol
	0704		1	NW		- Abut rize of DRP, but bun and white mattled an breast, an underpoints brown on back and typ of wings	
	0714	p-R-P	7	WE			
13/	0718	DRO!	1			Feeling	
		was producted	2			Idark	
	0750			NL			
	0 2 3 5	DRP	1	N			
J &	0759	ORD	1	NW			
	0829	Sooty Shuke	1	S			
	0835	RTTB	1	£			
	0836	Sooty Term	3	٩			
	0844	Sh. Petel	2	S		All dark some light on underwings Sody Sh?	
	0857	11 1	1	S		Not seen well.	
	0910	Sooty Sh.	١	S	V		
	0924	Sh. Petrel sp	1	3			
11.5	0949	Borntop	1	W		i of	
	1000	A.T. Trapicluid	1	W		Sutting innoter	
200	1002	-D-R-P-	1	NN			
77/1	1019	DRP	\	1			
	10 22	Westerlail	1	SW NĒ		Dark	
3713	102-1	PRP	2 2	5w			
		wolgetail	2			I sitting an water	
20,0	1028	DRP	1	NW			
	1030	Shear Patrul	1	Ē			
	1031	Shear-Patrul	1	nw		Seen by water	
RITIB	4	nit no vebra	l	E			
	1030	DRP	1	W			
-	10 55	-D-R-D-	1	N			
	1		1		1		



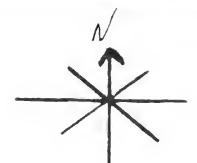
	time	species	#	dir.	het.	remarks	loc.
	11 10	ShPetrel		Sw			
	1200	Kermadee?		S		dash	
	1201	Sh. Petrel	1.	S			
	1202	RTTB	2	25		One sitting on wester	
1 0	1213	Bonn Ts	1			2	
	12 28	R T Tropicare	1			Ill la Cast Clear? all it are il. I'ma	
		Sear Pal		W		all clock Soots Shor? - couldn't see silver, his on underwing does not bly like one.	3
n	1311	Banin. Ls P.)	pw			
	1319	Shour Pet		W			
	15415	(1	Ē			
	1617	Bonin to P	1	Ē			
	1623	Borin La P	}	NĒ			
	1624	Wachentail	1	SE			
	1625	short Party	(54			
	16 30	Komaolie P	}	SE			
316	16 33	DRA	1	NE			
	1635	Shew- Petral		NEW		alldenk, blies like a DRP, about some risge, nay be lighter.	brown underwing
	1650	Sheron-Petral		5			Just (Surder wing
	1655 1700	RT Trojuctulat	,	w			
		Shear-Petral	1	W		alldowk	
371-		DRP	1				
	1720	Shown Patril	1	$\widetilde{\mathcal{L}}$			
	1755	(, (,	ı	80 S			
	1815	Obrendu c	me	luded	_		
				-7			



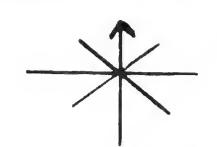
1	time	species	#	dir.	hgt.	remarks	loc.
(0535	Bonin Petel*		S		" type	
	0617	Shperrel	1	NE			7
1	0618	11	•	S		Every damin one of these ST went by	
	0620	il a)			side in the sur - At least three species	
	0621	it ti	1	SE		From flight several may have been Sooly	
	0625	11 11	1	5		Sneumaler.	
	0633	16 11	l	S			
		DRP	1	S			
1	06 40	Sh. Pelul	1	3			
1	0641	4 4	}				
	0650	WT	1	HE		1-54	
	0707	Sh. Petrel	1	S			
	0709	Sooty Shualer	1	S		Finally a bil as the part side -	
	0734	Sh-Poll	١	5		7 (-0.)	
	07HZ	Sh Pehel	1	5		I seen by water while I was doing weather	
	07417	11 11	1	9			
2.116	0751	Bonn Pelner	,)			
	0800	Golden Placen	(2			
TIF	0909	DR P		5		·	
	0810	Souty 5 lear?	1	3			
	6812	RT. Tropichiol	1	5			
T = 7 =	0814	-DR P)	W			
	0817	Show-Petrol	2	5		ulldook, flur lik a DRP	
150	0841	DRP	1	5			
1 5	1842	Wudgetail	1	E			
117	D 8 44	ORP	1	5E			
	0845	5 Lear-Petrul	2	NE	/		
	0902	5 oots 5 Lear	}	N			
	6908	-D-R-P	H	NW		Fredrig	
		Scroty Tem	4			1	
		R.T. T. 13,	1				
		Shoon-Patrul	3			c.//w/	
	0915	Haveouts st					
	0917	ORP	1	W 5			
	0926	Barrie Ls P	l.				
		/	1	F			
	0945	Sooty Stern		5			
		DRP Sach (C)		5		9	
	0956	Sooty Sh	1	5			
K	0936	Petral Shisp	2	S			



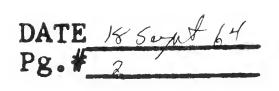
	time	species	#	dir.	hgt.	remarks	loc.
		Sooty Shear.	3	S		Moung rapidly	
	-	RTTB	1	N		lawover water	
	10:23	Sh. Petrel sp	1	\$6			
Time	10:25	DRP	\	SE			
		Sorty Shean	1	S	L/-		
112	10:51	DRP	1	N		with a light rump	
350	1153	DRP	1	Ē		5 ithing on water	
	1156	Christmas lo 5?	1	Ê			
		Shean pet	1	S			
. /=	1405		ì	W			
	1407	Wirland	1	SE		Dork	
	1428	Shear-Petral	1	NW			
	1445	w edgetent	1	5			
		5 hear- Petrel	1	W			
	1516	Wedgetail	1	Ē		Dark	
	1516	Christnes do 5	1	ω			
	1524	Widgeton)	Ē			
	1526	Show-Petrul	2	NE			
7 1	1530	D-A-P	1	5 W			
	1556	Shear Petrel	1	e		almost all of these birds appeared to	
	1601	IV V	1	S		be dark above and below and several	
	1602		1	S		showed flashing white underwing coverts	
	1603	Scoty Shean	l	S	~	and were listed as Soots Shearwater- None occurred near the ship and almost all	
	1606		(S		were characterized by a very rapid vigorous	
	1607	Souty Shear	1	SE	L-	flight in in which individuals occasionally looped high above the horizon.	
	1615	Shoar-Petel	1	S		Toopen my wasser inc 1130m.	
	1615	((((2	se			
	1632	11 (1	1	M			4
	1637	11 11	1	SE			
	1648	Sooty Shour?	L	5			
	1648	Show Pehel	3	5			
TOR	1650	DRP	1	3			
	1659	Sody Shean	1	6	L.		
	1702	Sooks Shear	1	S			
	1706	Shean Pelval	(S			
	1745	Shar-Petral	1	SW		6.10	
33	1747	Souty Shear.	1	5 NW	L		
110	1815	DRA LOW	lon	wetis			
	11813	1201 U.S.	العدم	ny ha			

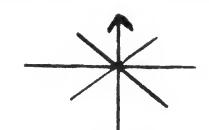


time species # dir. hgt. remarks 0526 Begin Obswation" 0642 Shar. Pital 1 Sw 0715 Sooty 5 Lear? 1 5E 6755 Shear-Pital 1 Sw Sum by walid	
0526 Begin Observations 0642 Shear. Pital 15W 0715 Sooty 5 Lear? 15E	
0642 Shur. P. tril 15W 0715 Sooty 3 Leon 3, 15E	
0715 Sooty 5 Leby 3, 1 5E	
6755 Shear-Pital 1 5w Sum by watch	
1-10759 Brimbs P 15W 	
0805 000	
0807 Sooty Sh. Is	
0809 Sh. Petral 15 0813 11 11 15 dark brd 5?5?	
0821 WNP 18 Boartiful! Most definiture white collan The get seen on one of these birds -	
0824 Sh. Tehel 18 Seen on one of these birds - Lark above below, while underways? S.S.?	
Abel hardly the typical SS Flight though	
this bird was worken its war low ou	
25th (cm)	
215 0831 Sh. Petral (S - Fack (Not Plandam)	
0836 11 2 5	
0915 WTTB 1	
5W 0935 Sooty SM. 1 SE	
Callinas	
BUST 1055 Boning P 1 5	
1315 Souty Shew 25	
1325 - R17B	
1340 Sooty Shear 1: 5	
13-12 Newelle Sheen 1 NW	
1346 Namello 5 hon 1 5	
[1447 Pehol-Sh. 1 SE	
1453 Scol Sh. 1 5 L	
1535 Skian-Patril 1 5E	
(1713) whole up David Au roug it is a upon whale	
1820 Observations Conducted	



N. decomposition of	time	species	#	dir.	hgt.	remarks	loc.
	0545	Observati	cus	begu	4		
	0645	Shi-petrel	1	56			
	0650	11 .1	2	S			
	0659	11 11	1	S			
	-						
	0735	400742		- 4	Petel.	Sh. seen by Cromwell watch while I	
	0747	1-	1	3		was doing weather	
15()	0748	Bonu Is	1	S			
	0753	Sh. Petel	1				
	०४०।	sh. Peleil	1	5		- Soole Sh?	
	0806		1	5		Fight as in seed Sh. as described by Doyle	
	0845		'	5		seen at very long range.	
-) 1	0847		1,	W			
		Show & abul	/	W			
	0907	Kirmader P	l i	5ω			
F 12	0909	Bonnin P	l l	NE			
	0935	wT		, CC		Dam. Fico - I thought this bird had a dark	
	0957	? Am. Ret.	1			throat and Suzuki confirmed it. Well	
						Marked while belly - underwags not seen that	
						well but lightish (not white like wT) and	
						almost appearing nottled. I could be mistaken	
						on the throat in which case the highest	
						probability is that this bird is a light phase Kermadec.	
	1037	Sh-Pet		5-			
	IOHI	RTTB		S		Dark	
	11 11	Wedgetail	i	5		sitting on water	
	1315	PetSh-sp		56		Park	
	1320	11 11	-	NW		DR?	
			,	NO			
	1437	Sooty Shor?	,	5			
	1455	Sooty Shar	İ	5			
	1500	Sooty Shear	'	5	Lorent		
	1501	Shear-Petral		NW			
	1320	Shoon-Patril	1	5			
		Nuvella Skeon	(5			
		RTTB	1				
		Shear Pelnel	1	S			
		G. Frigale	,	£ .			
		Shear-petel	,	5			
	1638	0	,	S		Actually divis to surface of water fishing	
		G. Frigate Shear-poll sp	1	(
	1715	11 11	1	5		Zan herryen	LY LE

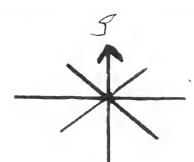




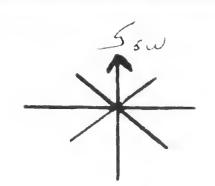
	time	species	#	dir.	hgt.	remarks	loc.
	13 30	Show-Pitral Souty Shear? End O dre	١	5			
	1955	South shear?	us D	S			
	, • •	2 0000					
							1
_	2						
2							
				. 1			
1			-3				

			_			remarks	loc.
		Begin Ol	wu		1		
		WNN	1	5			
· ·		Newells 5	1	5			
		New Us 5	1',) >			
	2700	Newell. 5	,	5			
	0769	Sooty Shear	,	5	/		
		wnp	(5			
	0724	Newells 5	,	5			
	0741	Newells 5	(5			
		Banis Ls P	1	5			
		Navells 5	!	5	1		
	0752	Kermodic P	1	5 -			
y-	0855	DRP	2	N			
		5 hear- Ptral	ス	S			
	0806		2	S		at distance	
	0810	11 11		S		Benn?	
	0825	11 11		5			
	6829	Bulwer's P		S			
	6889	Sh. Pehel	ľ	S			
	0905	11 11	1	N			
	0908	() ()	2	S			
	0910		1	2 -		Newell's?	
	0929	0 1 1		3			
	0837	Bowing to P	3	6			
	0944	RTIB		6			
	1031	Woodgeland	2	1		7 -	
>	はのみ		1	SE		& last	
P	1228		2	_			
'	1243	E anin det	1) Mu/			
	1727	Banin de P Frugate BR-B- Newells					
	1367	10 12-10-	1	ļ.			0
	1419	Newells	1	NW		A	
	1433	11	1	NW			
	1438	Sh. Peliel	1	w			
			1	SW		Seen well enough to only identify it as a jaeger-	
	1509	Joeger sp Newells	l	WE		Flush at base of primaries - Dankness of unclements	
	1670	SII. Petel	\	N		and appenparts implies immature form.	
	1724	Newals		sc	1	Tright as in skrue? p. jarger seen formers but less to the than skrue? individual	

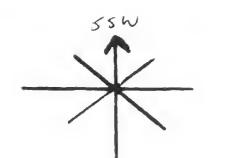
1	750	23 750 750 000	-	300	57 <u>6</u> 342
3,1H × 750	× 750	3750 5250 256'2500 3.14 2'250000 562506	12	90000 bird in 355 miles	350 350 17500 1050 122500 90000
	755	1.766,250.00 117 1,766 occ 15 15 105	288 5000 1,766 250 15000 26625 25000 16250	2016 2355 \ 2017 17.75 2/30	412500 412500 120 505 480 1280 4500



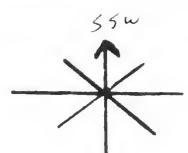
	time	species	#	dir.	hgt.	remarks	loc.
	1530	Neurllo 5	2	5			
74	1539	Boninhol	ı	W			
	1608	5 hear-Patrul	1	W			
	1615	Souty Shear Shear-Putrel	1	5			
	1630	Show- Putrel	1	5			
	1639	Wedgetowl	١	N			
	1640	Weolgelail	1	5			
	1641	Wiolgetail	1	W			
3	1642	Bomin to P.	1	E			
9 5%	16-13	WNP.	1	0			
	1644	Shon-Petral Shor-Petral	1	N		all looks underwings about DAP size. Flow like a wedgetail	/
	16 48	Shear-Petrol	1	SW		durch head and tell and week	
	R.	Soots Twn	2	u			
	1652	Shear-Palal	١	Sw			
	1654	5 hear - Petrel	(5			
	1656	5 hear - Petrol	1	5W			
X .	1700	Wednestails	2	W		·	
	1704		1	6			
	111	wedgeta's	1	W		0 + 724 - 000 - 040 - 4000 - 4000	
	1707	Guezar up	3	N -		the sun briefly flushed a silhouethe of the tail	
		Sooty Turn	2			there was a small but definite nounded projection	
- Appendix	1718	Shoan - Potal		SES		from the central tou'l feathers. Presumably the	,
		Scoty Sh	١			other two birds were of the same species Digni	Tung
	1138	WT	2	SE			
	1739		1	SE			
	1740	ShPohel sp	1				
	1742	WT	2	Sc			
	1743	wT	1	SE			
	1746	Sh. Petel sp	1	-			1
	1749	(1 (-1	1				
	1756		1	se			
	1803	(\)			in ?	
	1805		1	SE			
	1808	Sooty Shooter	1				
	1830	observatu	5 (enerned	ef		
							10



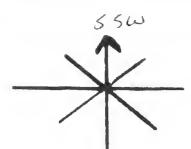
	time	species	#	dir.	hgt.	remarks	loc.
		Ouse, citra					
	0600	Sooty SII	\				
7	0613	DRP	\				
		Pelval- Shwaler	1	SE			
	0647	WTTB	1	e			
	0649	wT	1				
	0653	Sh. Petel	3				
	0651	() ()	2	SE			
	0659	it it	}	N			
*	0700	50017 Sh	\	S	/		
	6702	Sh. Pehal	2	S			
		Bonin Petrol	ſ	SW			
		Sooty SVI	1	S			
	0706		١	S			
		Bonin Petrol	١	S			
	0710	WT	١	W			
	0772	Common Noddy	1	N			
	0712	Newells	ス	N	1		
		Sh. Petrel	Ì	2			
			ス	ISIN			
	0716		l	SE			
19		Bonin Petrol	}	S		e a a t. at. a	
		REB	2	N		adult notte olde plu	
	0724	<i>د</i> (I	N			
	0724	Sh. Petel sp	1	N			
	0725	, , ,	1	2/			
	0751	streetu sp	13	2_		These birds seen during weather 13 bids	
				5		i'm sightmgs	
	0753	15 (1)	2	56			1
	0751	WT	1	N			
	0758	RFB	}	N			
	0758	WT		W			
	0802	RFB 1		5W			
	0803	wolqutail	2	5			
	0904	Nodaly Toin	2	w			
	0805	w estactoil	1	SW			
	0806	Nawells 5	,	<		-7 / 6	
	0807	Soots Shar		6			
	0808	Wielestail		3 W			
		Weelgroof	/	5w		40	
	0810	R. F. Booling	2	5W			
	0811	Newells 5	1	5			
	1812		,	15	~		
	1812	Sorty Shrer		5F SW			
	1414	- ()	1	<i>(</i>	9		
	1813	Sorly Shear Common Noddy	2	3 5三			
		CONVICT IT SWEET	~	J. L.			



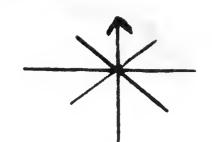
							•
-	time				het.	remarks	loc,
	0812	Sooty 5 how-	3	SĒ SĒ			
	6818	Widgetoil	i	32		park	
	0814	Sooty sheer	2	SE			
	0830	w edgetail	1	SW			
	0821	RF Booky	1.	5W			
	0822	Scaty Shor	1	5 E			
	0823	Wasterland	3	sw			
	1	Soot shear	1	5 W	~		
	0825	Souty Shear	,	5w	4		
	0825	Commen Nodely	1				
	0828	Souts Show	1	5			
7	0829	Bonin Lo P	,	E Sw		•	
	5830	Wednetail	,	SE			
	100	5 coty slow	,	5W	-		
	0832	Sooty Term	1	5 W			
	0833	Nodaly Tom	l	5 W			
	0834	Wedgetail	2	SW			
BLY	0836	Banin AV	1	5W			
	0831	Medatal	2				
	0834	Wedgeton	(Su			
	6841	Sooty Shear	1	E	2		
	0842	Wedgetail	1	5 w			
	0843	Scoty Tem	1	5			
	0846	A.F Booling	ı	5W			
	08-17	Wistertail	1	5			
	0850	wilg tail	2	5w			
	0851	Bonin la P	1	NW			1
	0833	Bown to P	1	NW			1
	0835	sooty shor	2	yn			1
Fu 3	0838	Bonn to P	1	5 W			1
	0900	Sooty Sheor	1	5W	1		1
	0904	RFB	1	W			
	0905	walgetail	1	500	Burk		
	10906	Common Noday	1	SW			
	0907	wedgetoil	6	SW		2 donk - not a flor h	
	0908	Soot Ten	1	SE			
	0908	Common Toddy	1	Sw	}		
		c.t. Shina	,	SE	4		
		Sorty Shear	ľ	1		f 1= / 1 = 1	
	0909	RIF. Booky	(Sw			
	0910	AF Booky	2	W		Travelling	
		Noddy Tem	1				
		Weolgetail	4				
		Frigote	t			4	
Tar.	0911	Bonie HA		SW	1	5 "	
		. (1)		5 B		(*	
	0912	w edgetal		3 13		A=	



***************************************	time				hgt.	remarks	loc.
	0913	widestail Sooty shear	4 7	5W	ha	most a block	
RUP		amin Le P	(mot a block not a block	
	0916	warfatail	?	SW		natafloch	
	,	Bomin he f Wardgetail Connon Noddy Sooty Shear	2	W			
		1					
V-0	0918	Bonin Ls P.		5w		water	
	D920	Shear-Put Wilgetail	1	Sultin	gan	water	
E	1	Barines	2	sω			
A serv	0928	westertail		5			
	0430	Wielgelood	2	5 5w			
	0131	Soots & hear	7	E	1		
	0932	Bonin to P	2	6 5w			
	0934	Wirlastill	(5w			
	0936	wilgital	3	SW			
	0938	Wedgetruil	2	SW			
2{	0940	Wiolastail	10	SW	Feed	ing	
300	0941	Bann Is P	18	5 W	t	el h	
	0943	Wedgetoil Wedgetoil	16	SW	nuta	of the	
14.7	0944	Bonin for A	1	5w	- Aura		
(0930	Wedgetail	700	-		- all restlered allower - filing gathering?	
/ \		wedgetouls	4				
	4000	0 1 . 0	1	Sw			
	1404	wilgitail	4	SW			
- 100	KO05	Bonintsp	1	Ē		1 -1 -1	
	1006	A F Booky	1	F		/4/	
	1000	wolkplant	2	SW		/\	
	1009	wodaytail	2	SE			
	,	α Δ []	2	3			
	1011	Wedgetal	4	5W		1.4	
	1014	Banin to P	ı	5 W			
	1017	Common Nodely	3	Sw			
	1018	Common Nodely	2	W			
		Observed 1. Com.					
			1				



1		•	,,	1.	•		100
	ime		#		hgt.		loc.
	1019	RFB Brn Booky		W		immetered - nota flock	
		Common Kalda	6				
		Common toddy Wedgetoil Barrin to P	8				
Sw P		Barin to Po	(
	1.15	11-1	2	(É			
us (1070	Wedgeton	12	IF -		Travelling	
40 4	1021	Wedgetael Wedgetael Common Tooldy	8				
		c lala	,	1			
	1028	Common Motory	1	3É	V		
		Soots Showater Wilgeton					
		W seegmen	,	Ē			
	1029	Souts 5 leter?	,	1		nota block.	
	1630	Soots 5 keter? Common Nodely	4	5			
		. 1	1			_ 	
	1031	BR ~ Booky	1	6		innature	
		comen Nodaly	2	E			
33	1032	Sooty 5 hours	38	SE	6	Travelling	
, L.	1033	commen Nodaly	2				
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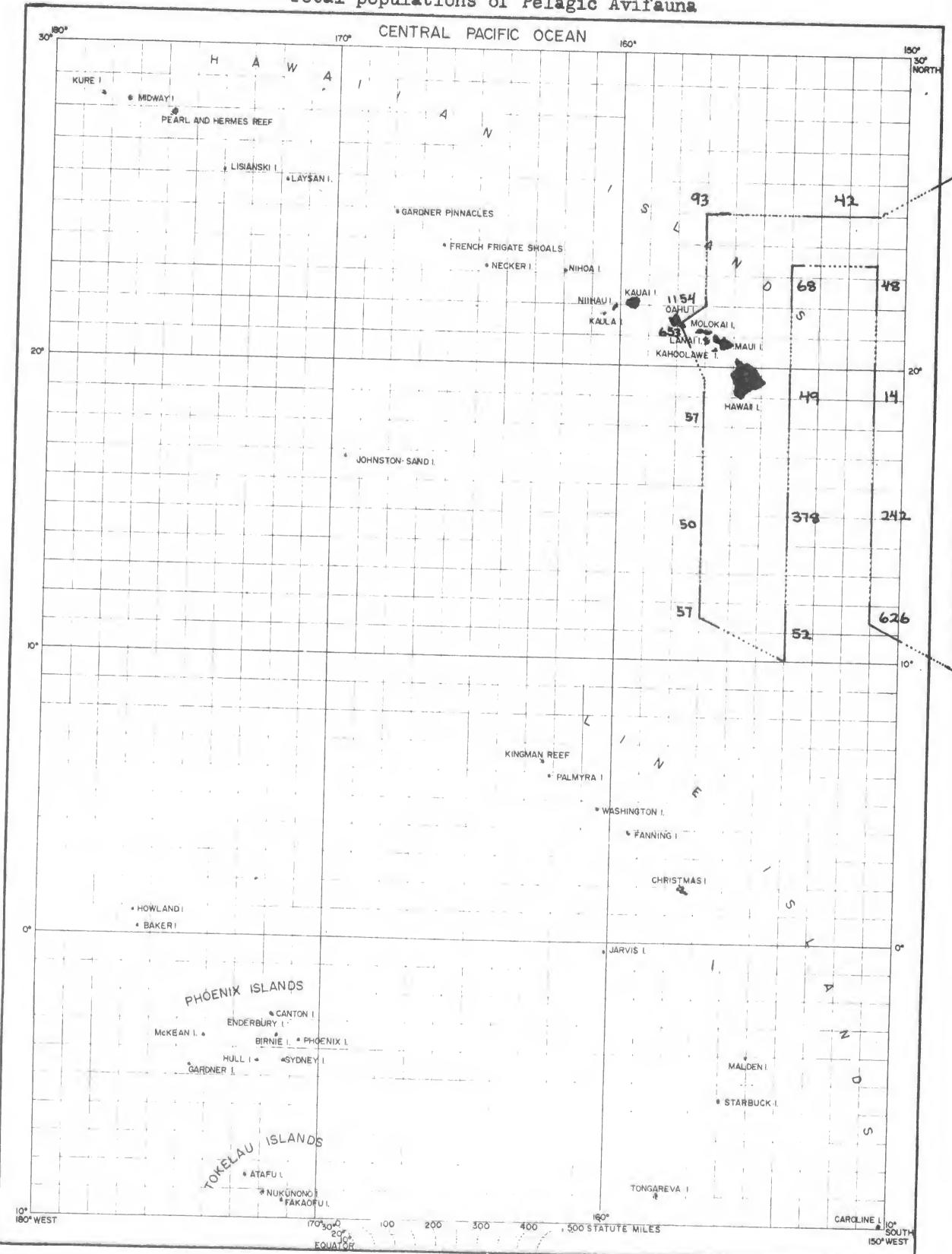
T. Cromwell September 1964 Cruise

of Wedgetsiled Shearwaters

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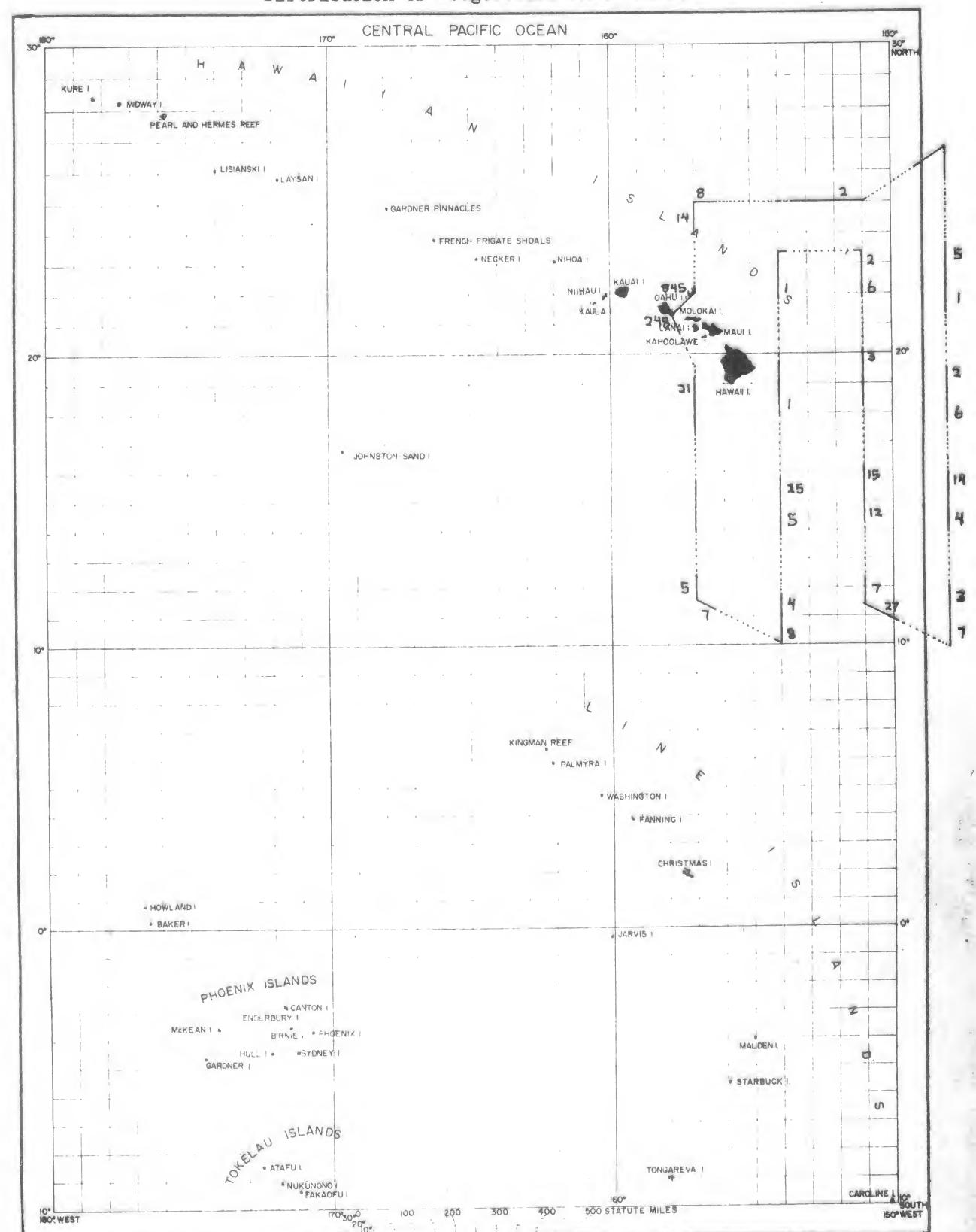
T. Cromwell September 1964 Cruise

Total populations of Pelagic Avifauna



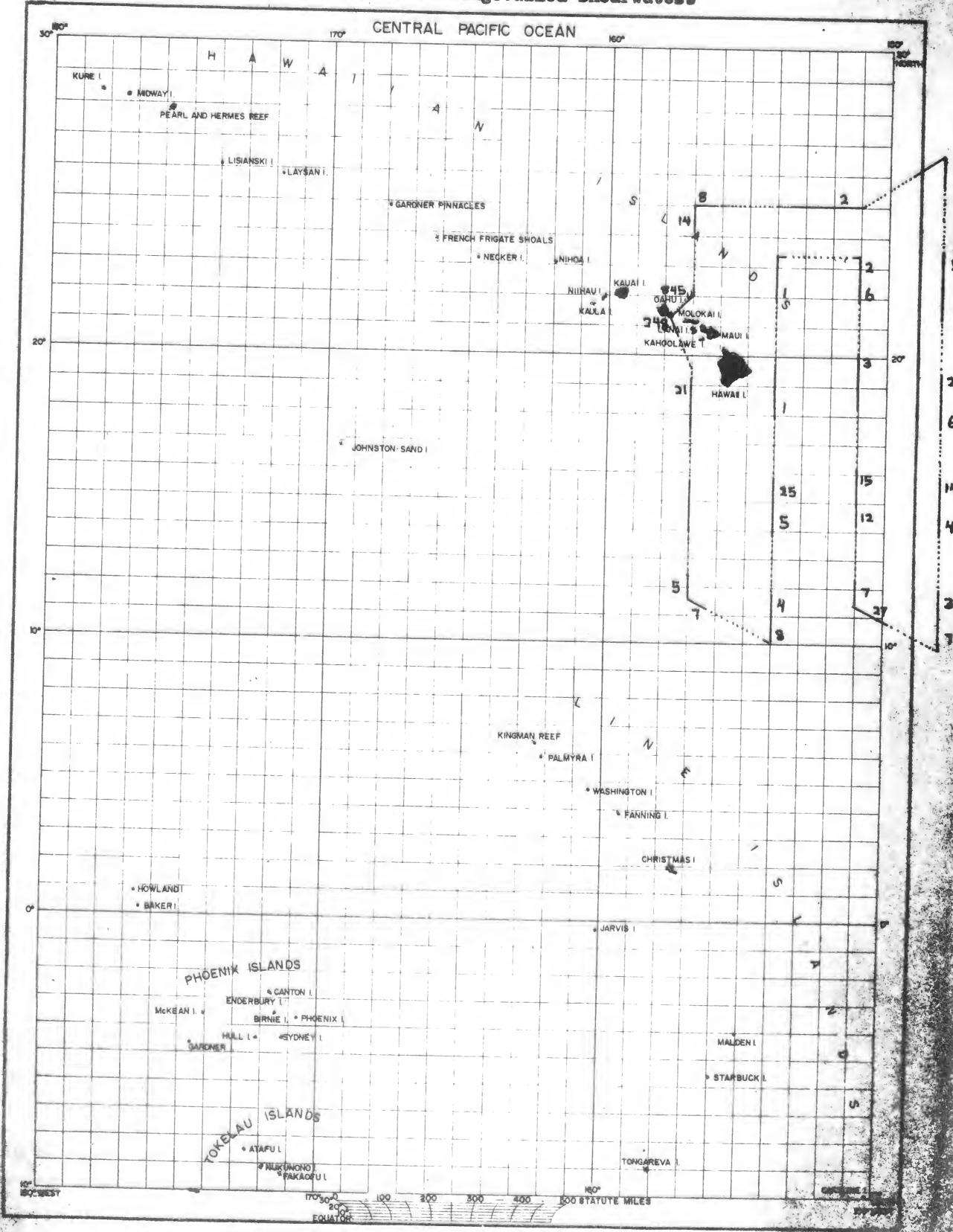
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Distribution of Wedgetailed Shearwatess

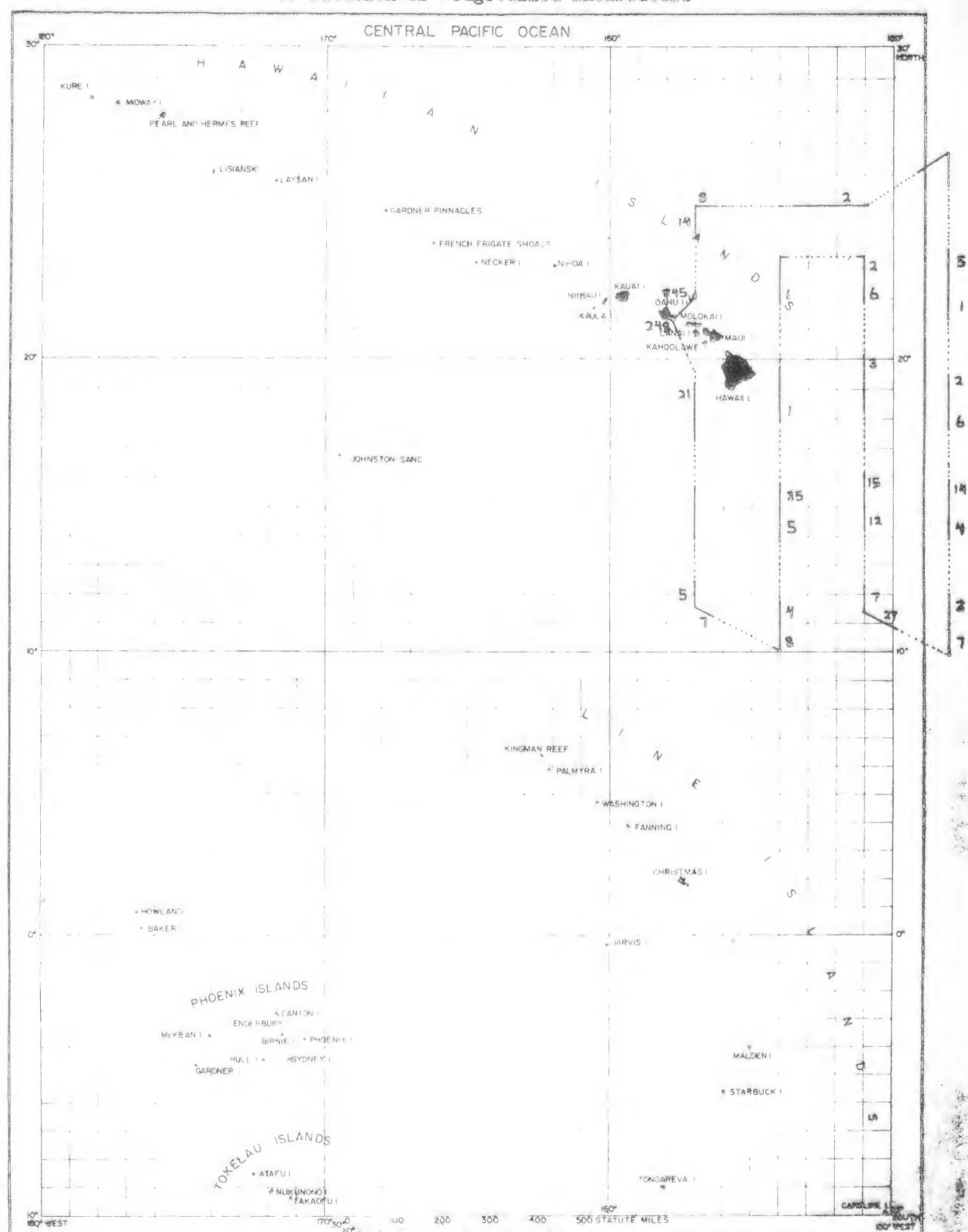


T. Cromwell September 1964 Cruise

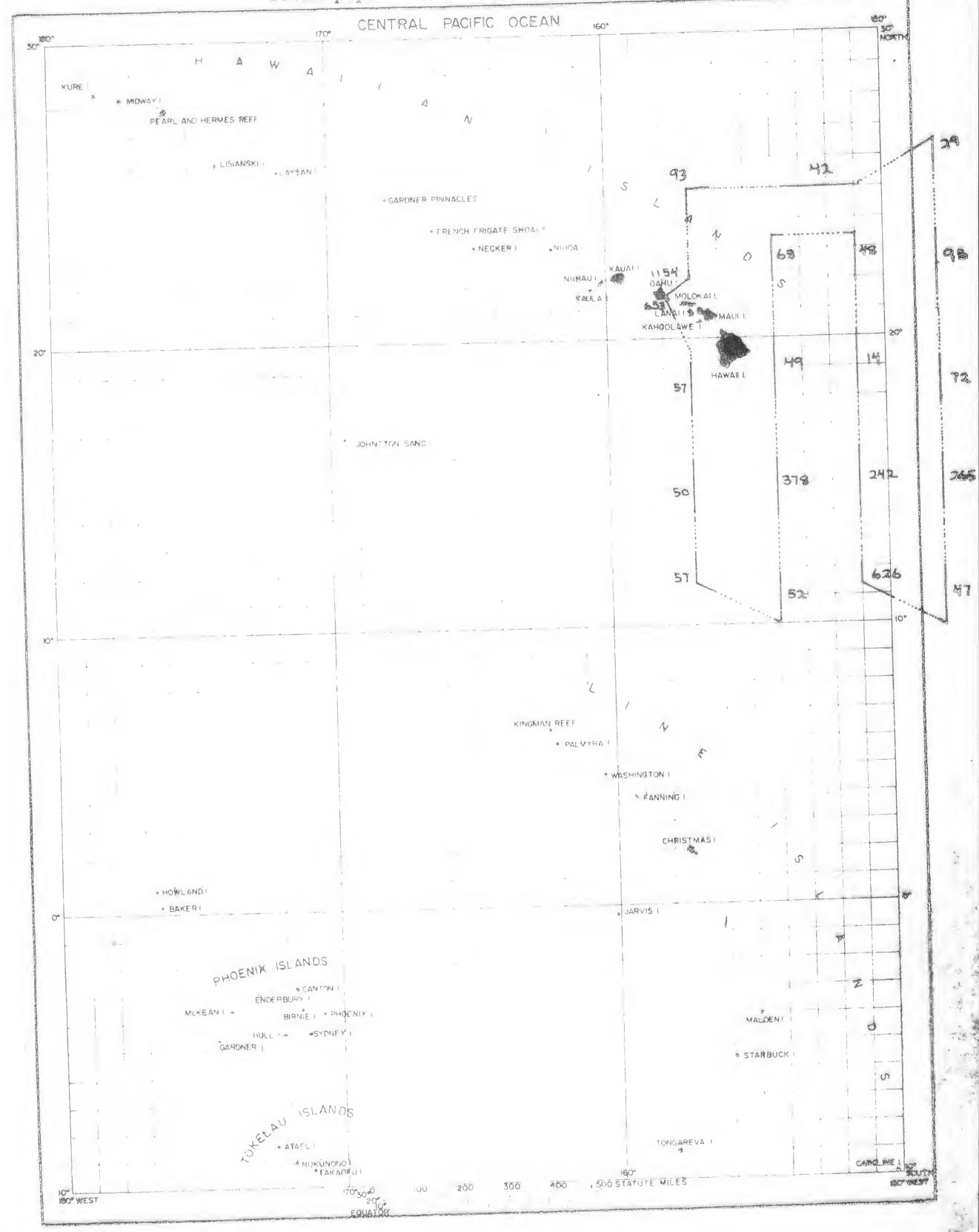
Distribution of Wedgetailed Shearwaters



Distribution of Wedgetailed Shearwaters



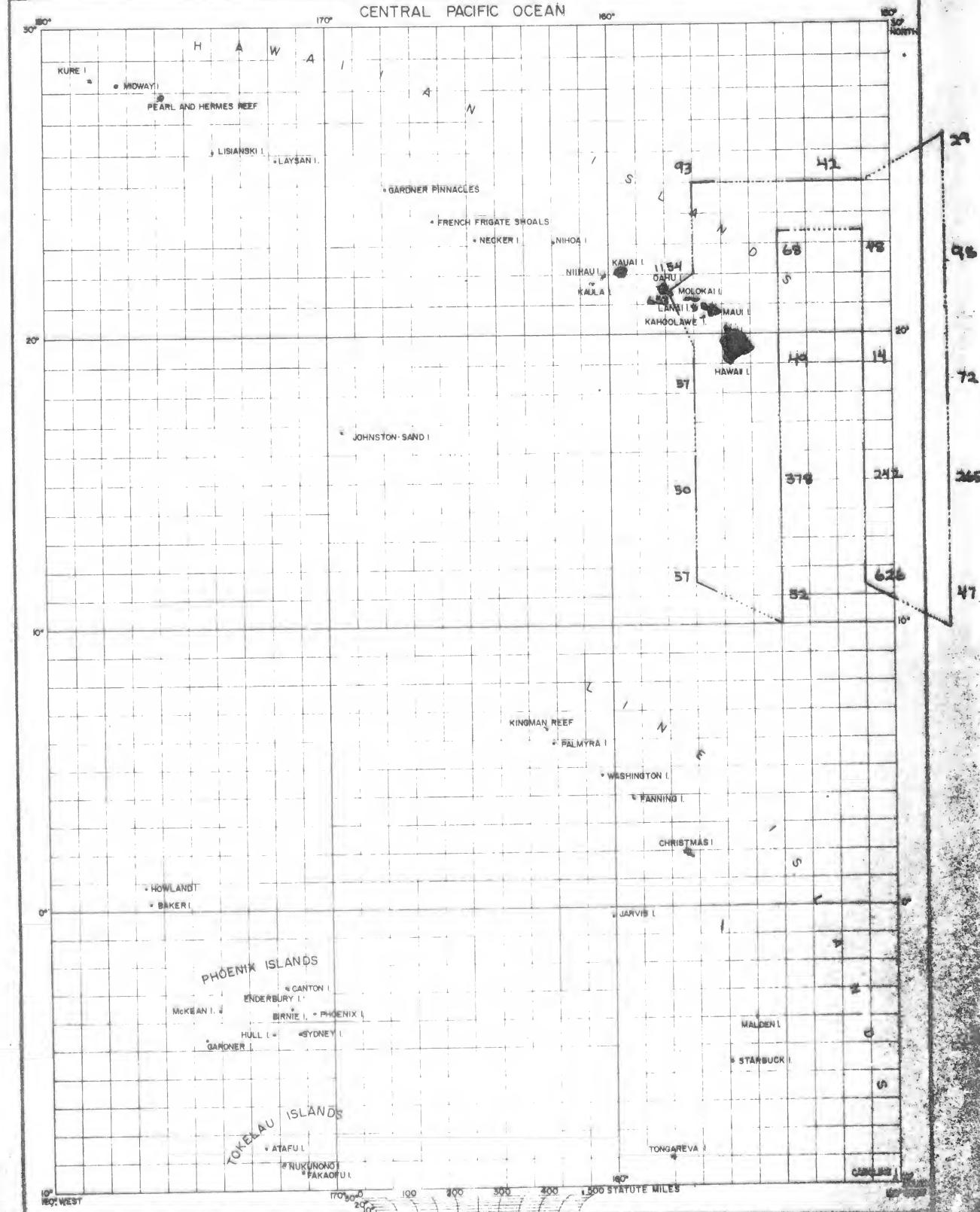
Total populations of Pelagic Avifauna

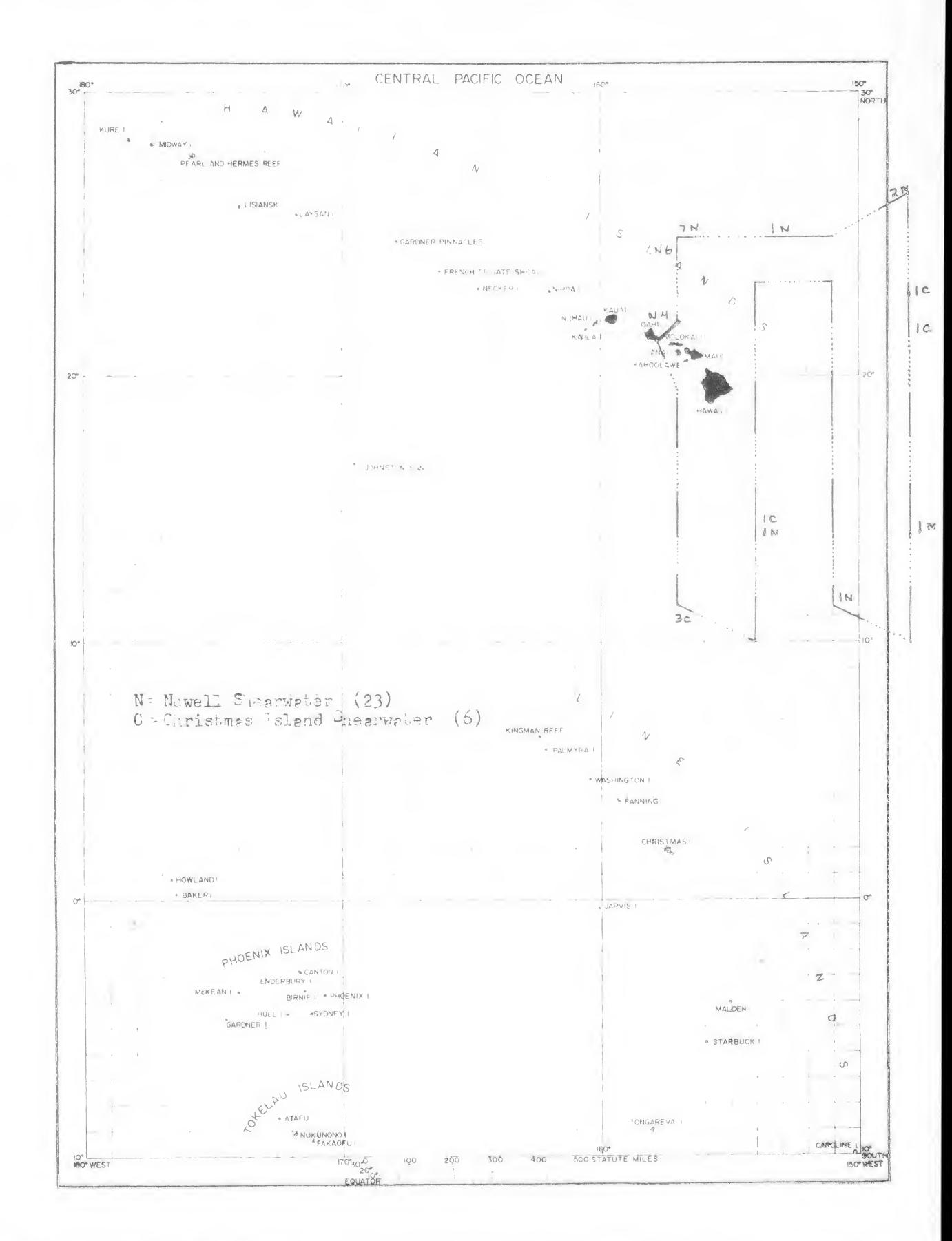


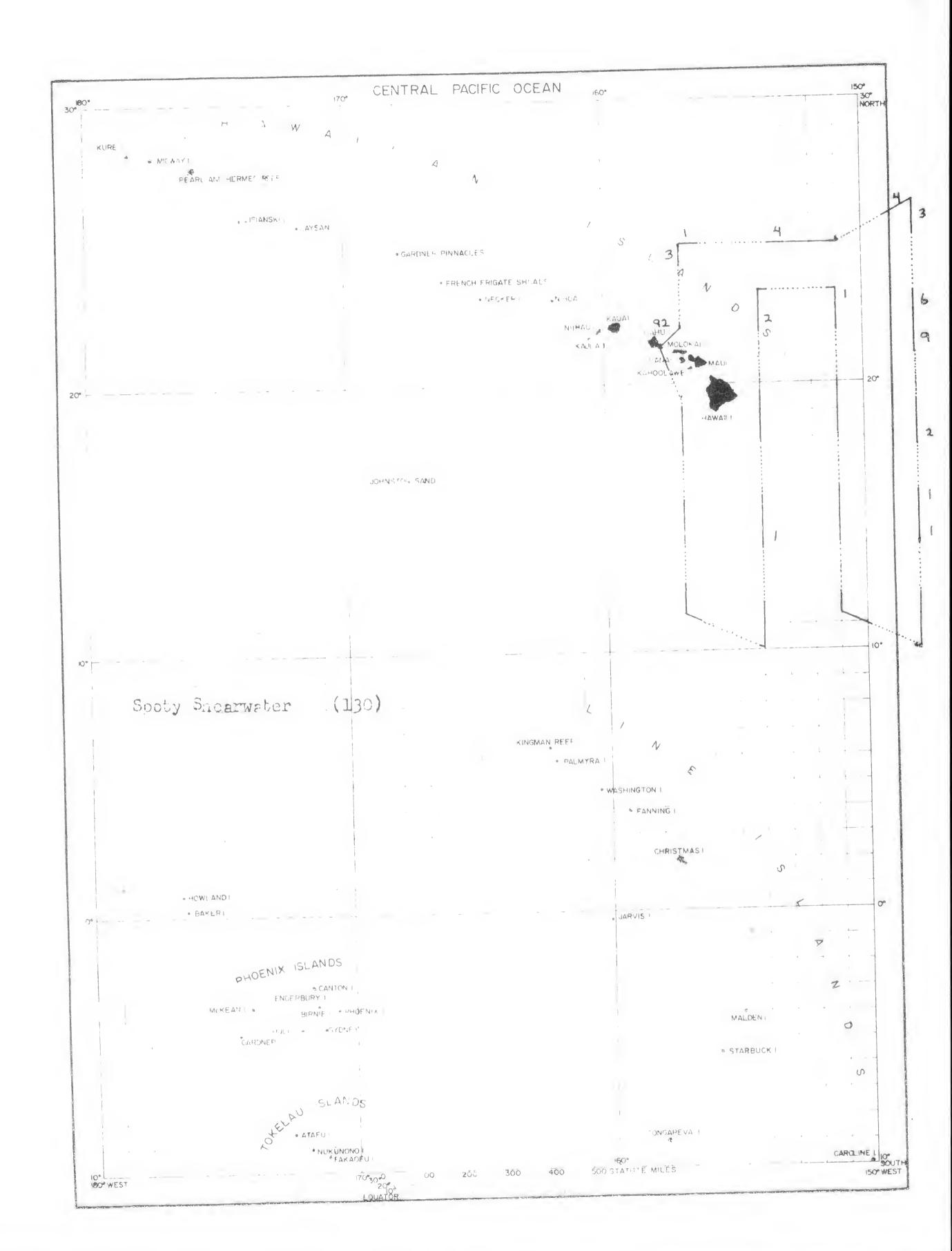
Total populations of Pelagic Avifauna

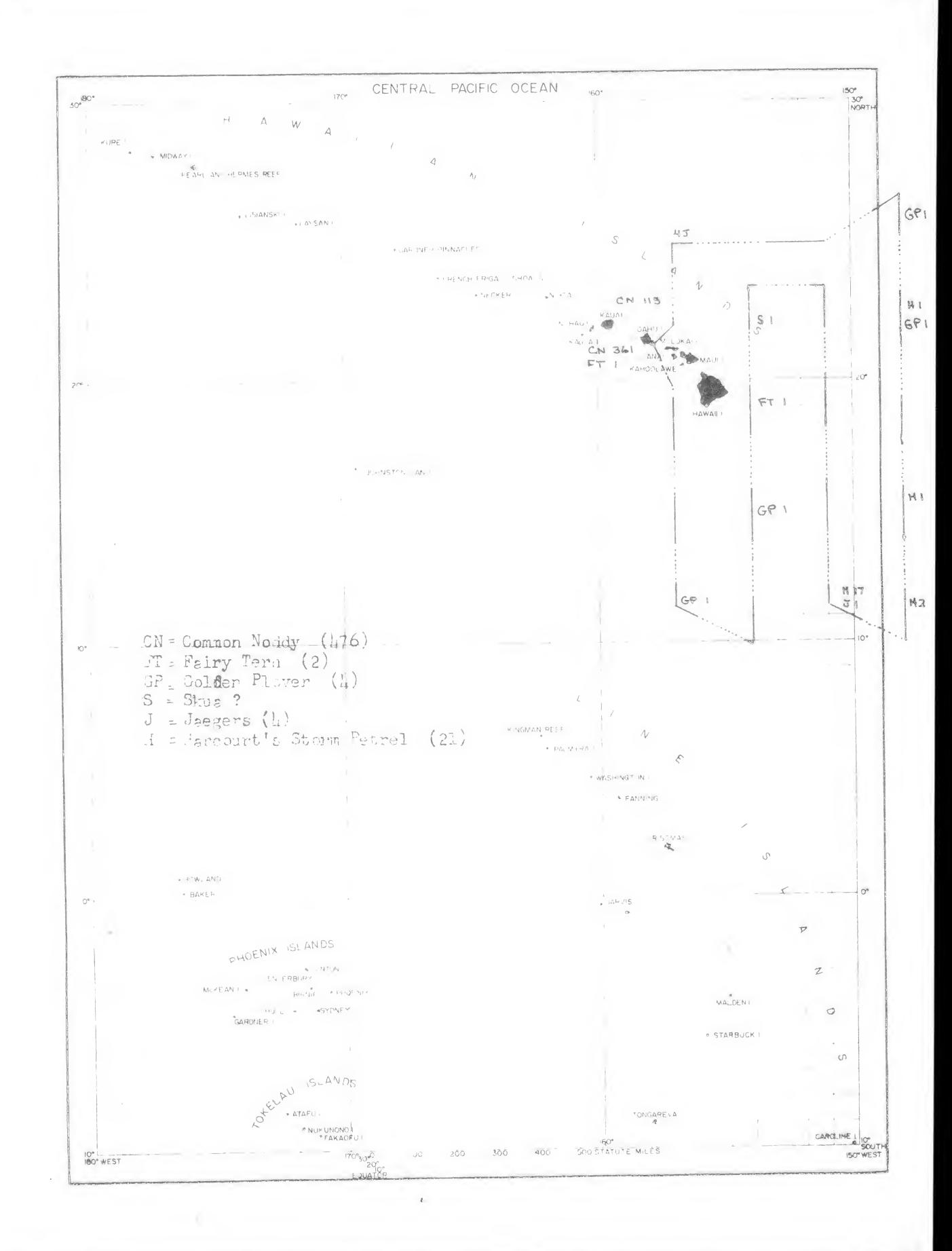
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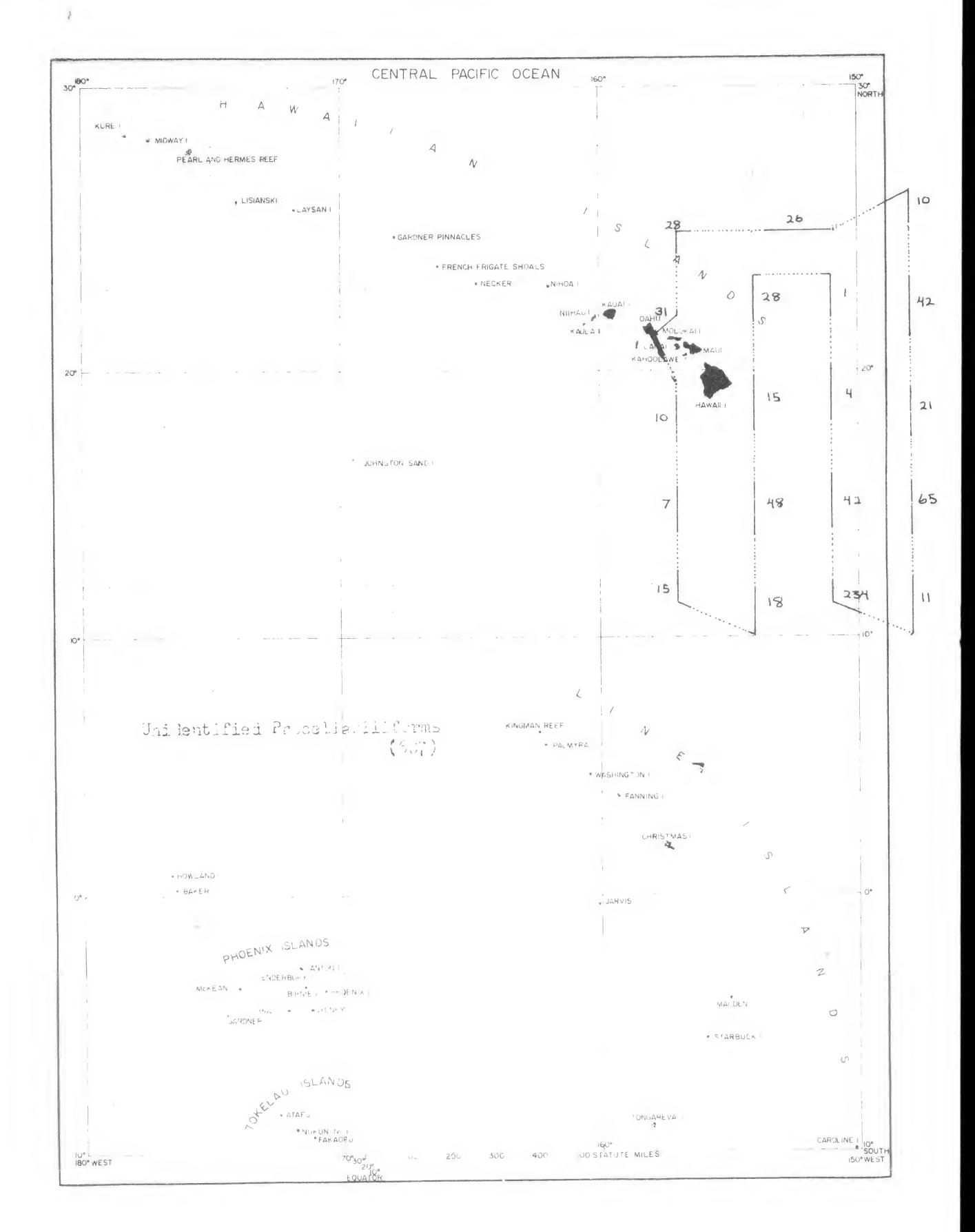
T. Cromwell September 1964 Cruise Total populations of Pelagic Avifauna CENTRAL PACIFIC OCEAN 30" KURE ! · MIDWAY PEARL AND HERMES NEEF LISIANSKI I. 42 GARDNER PINNACLES FRENCH FRIGATE SHOALS . NECKER I NIHOA 68 NILRAU L. KAUAI I. KAULA MOLOKALI KAHOOLAWE T. 20 200 HAWAII L 37 242 378 30 52 KINGMAN REEF PALMYRA I · WESHINGTON I CHRISTMASI S - HOWLANDT

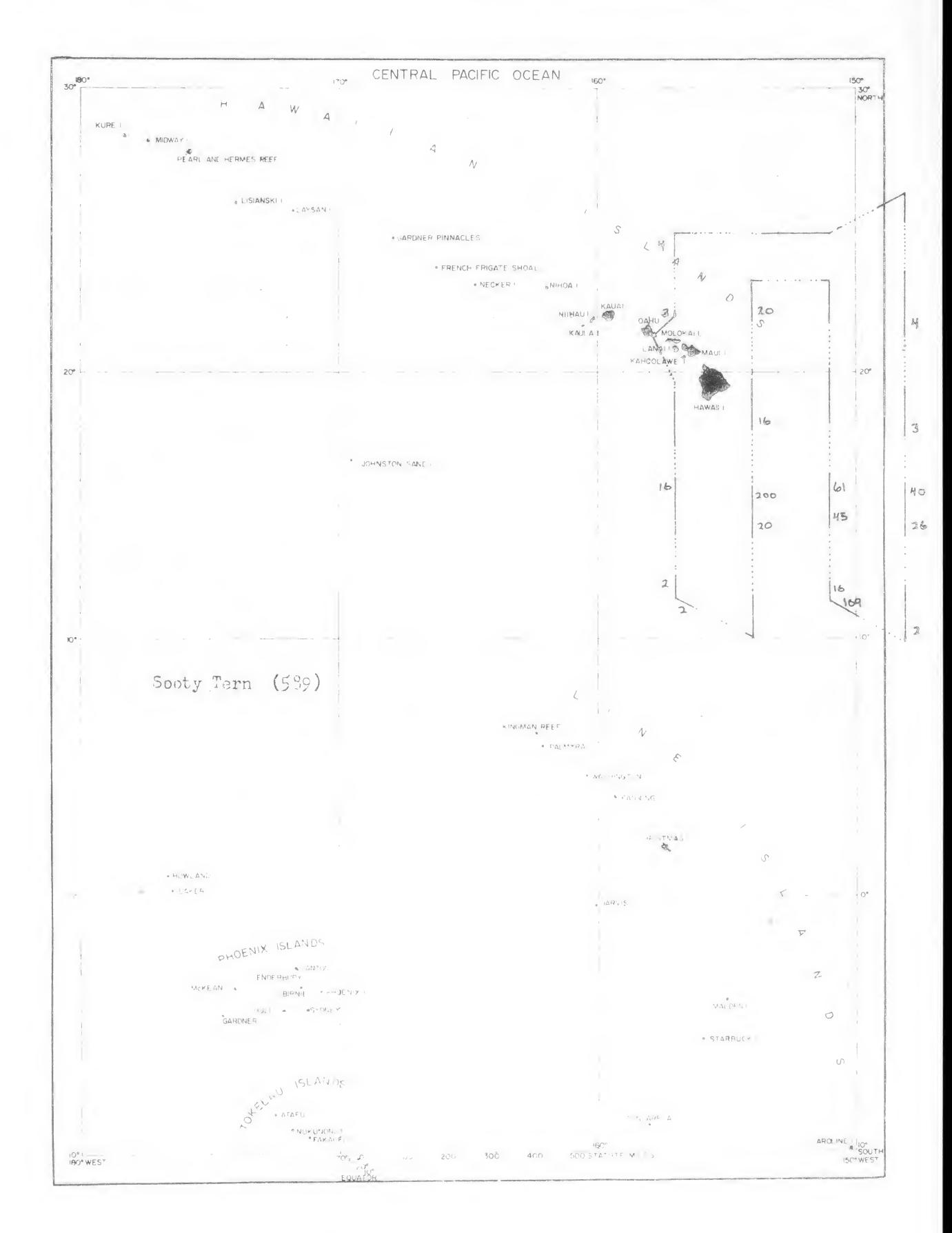


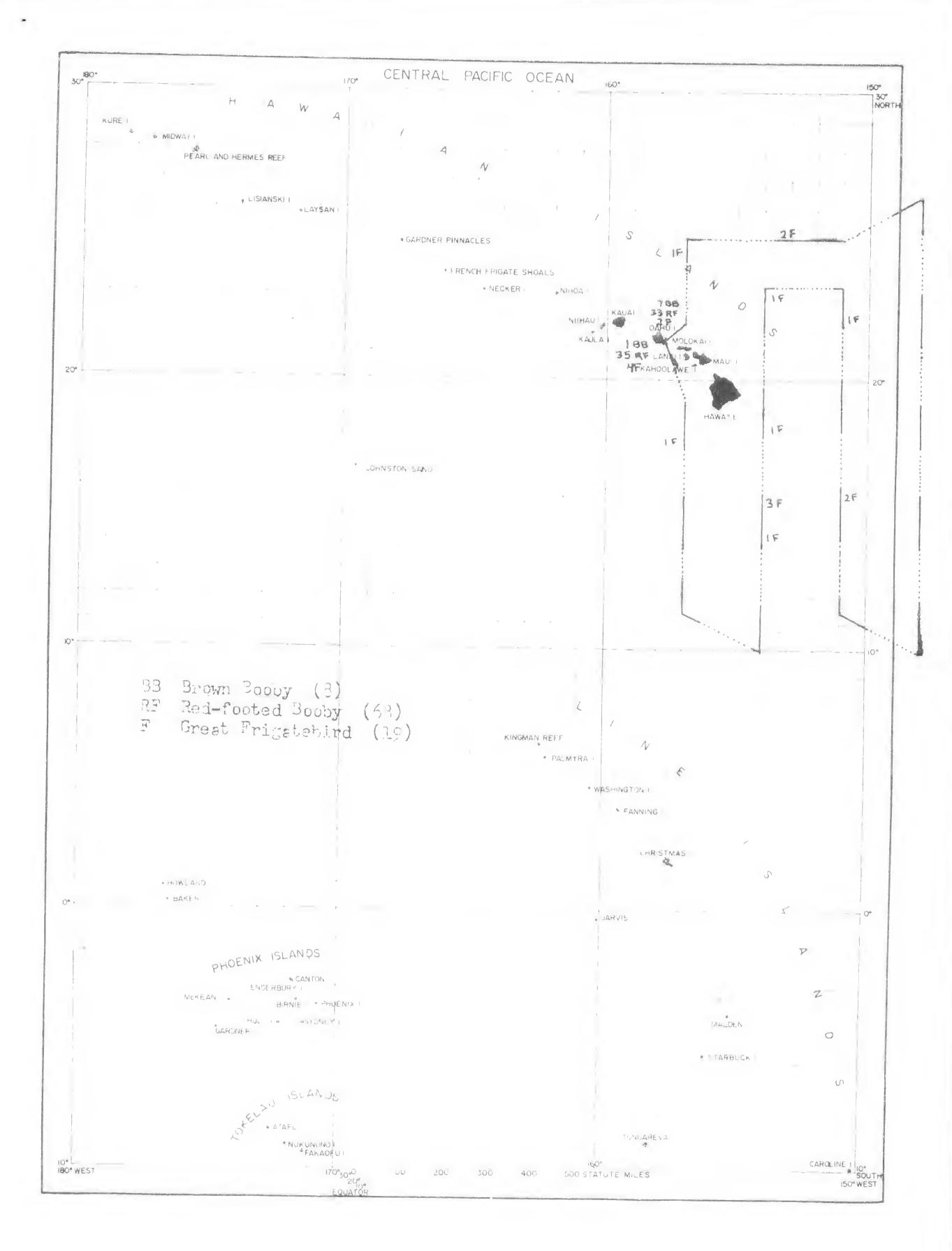


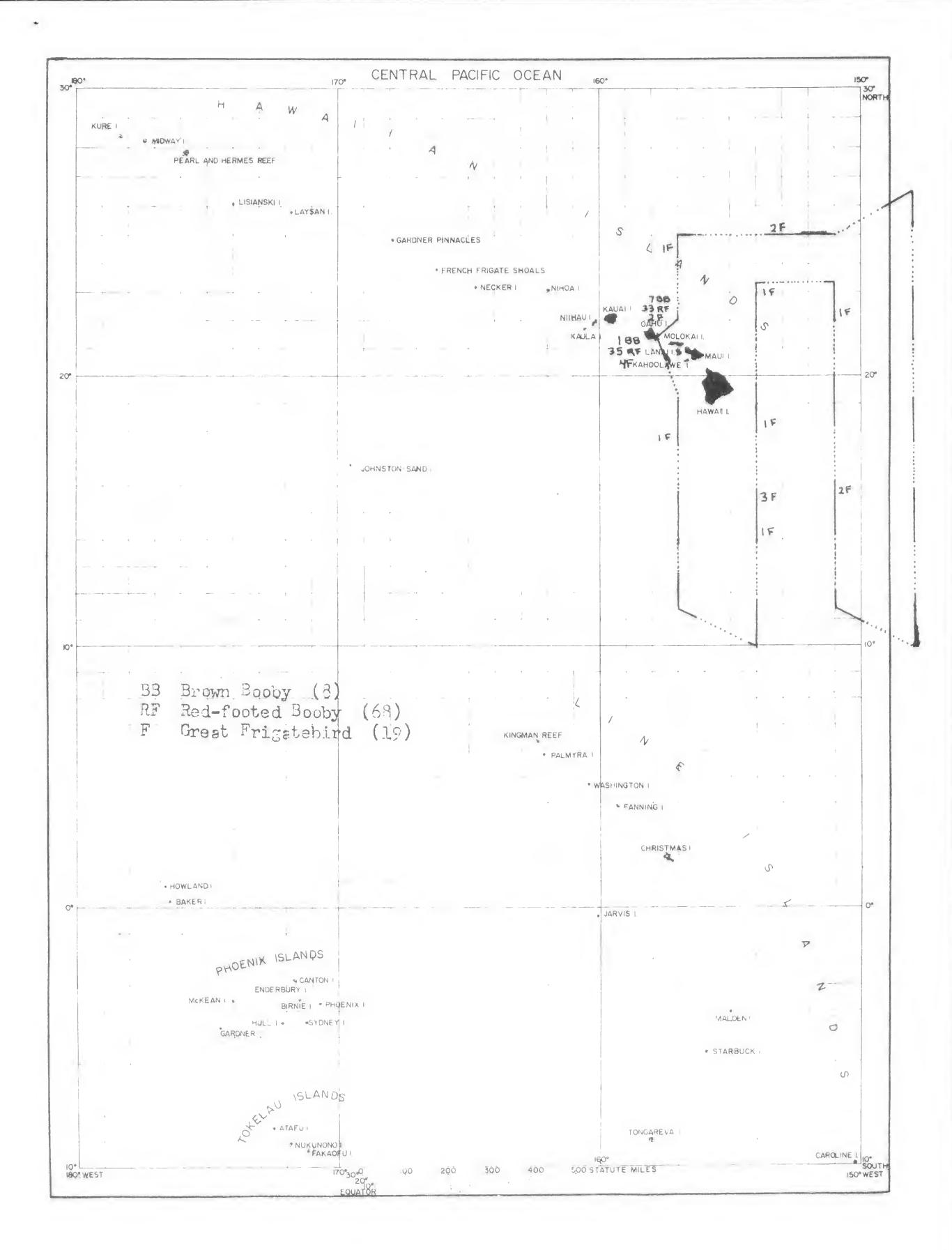


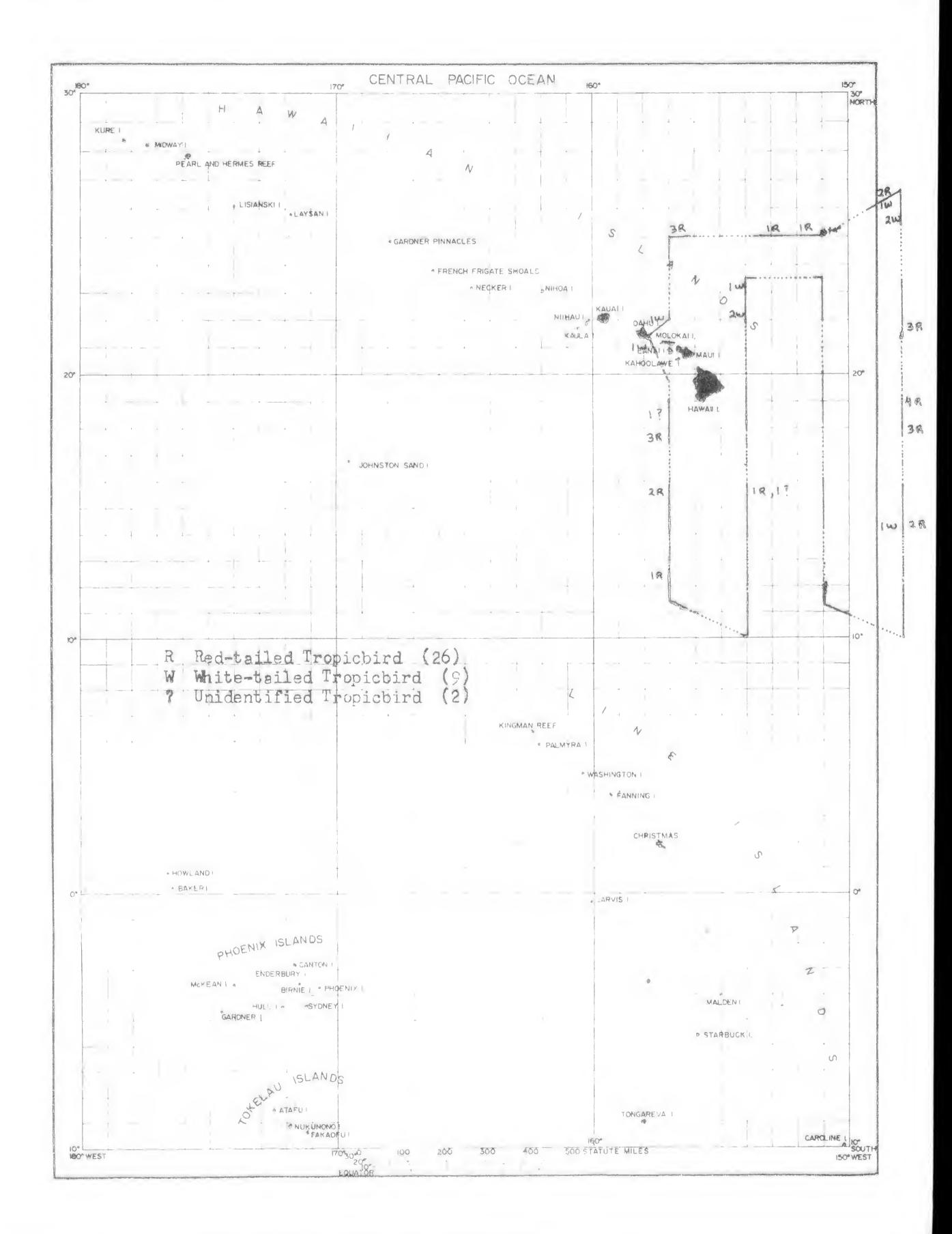


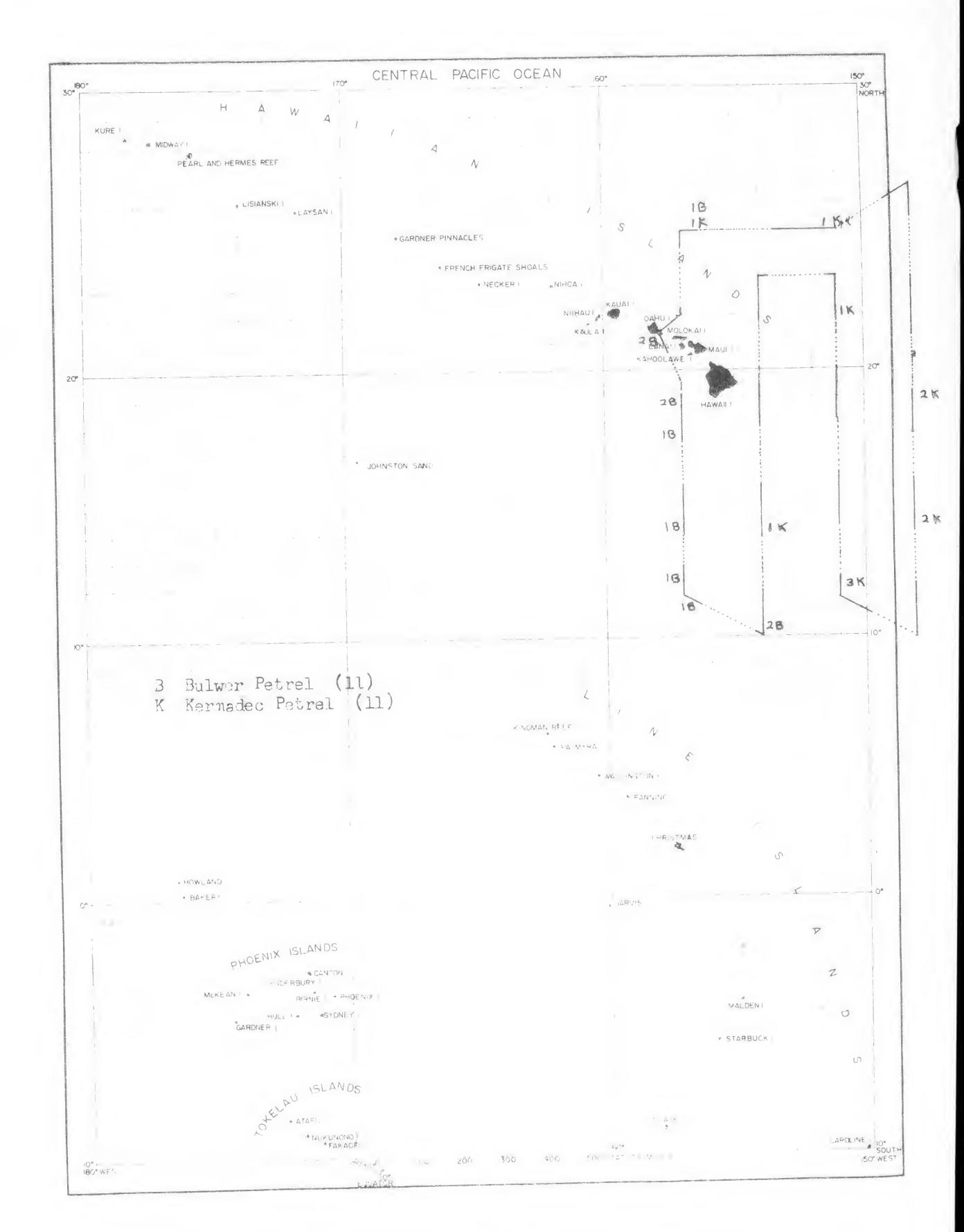


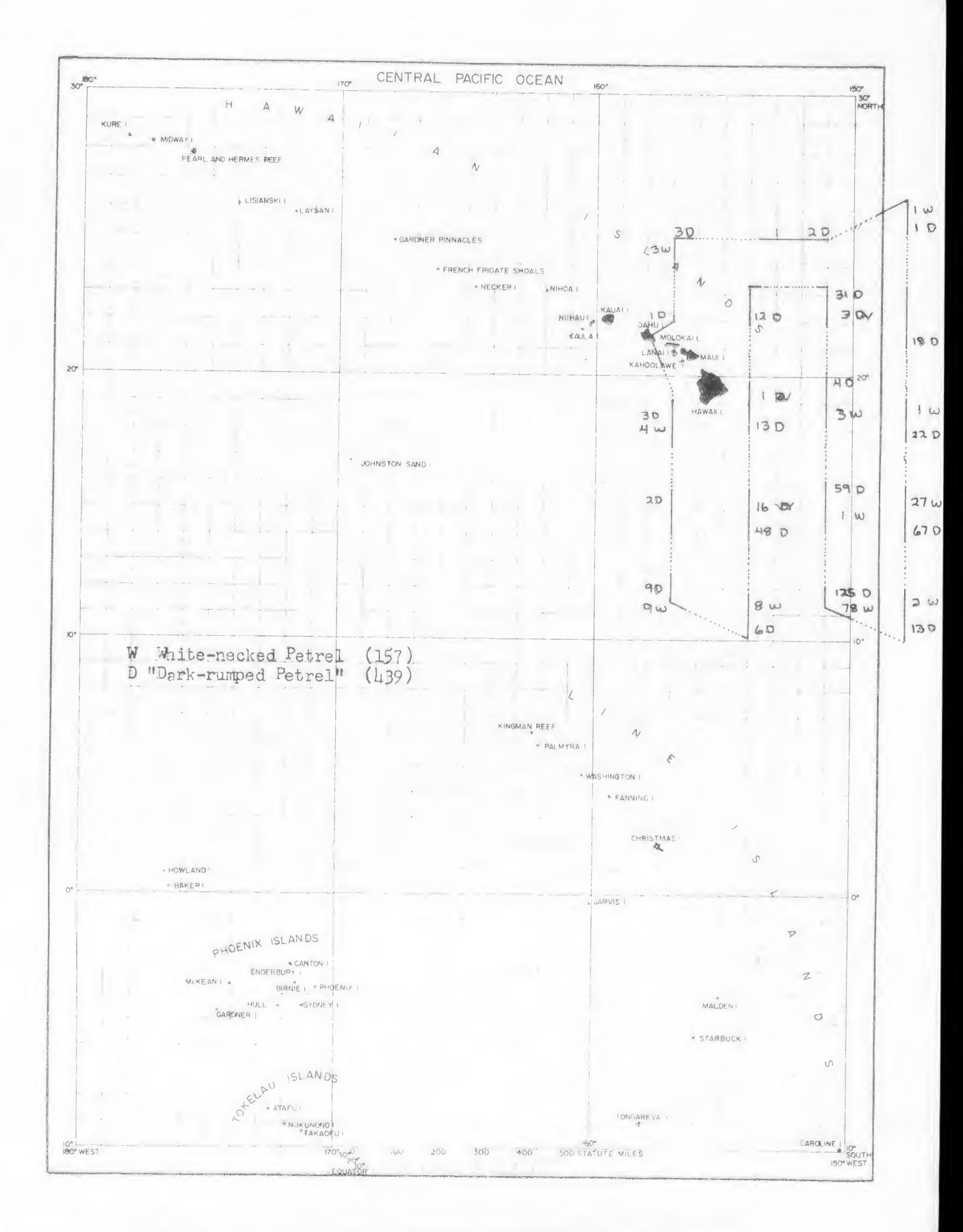


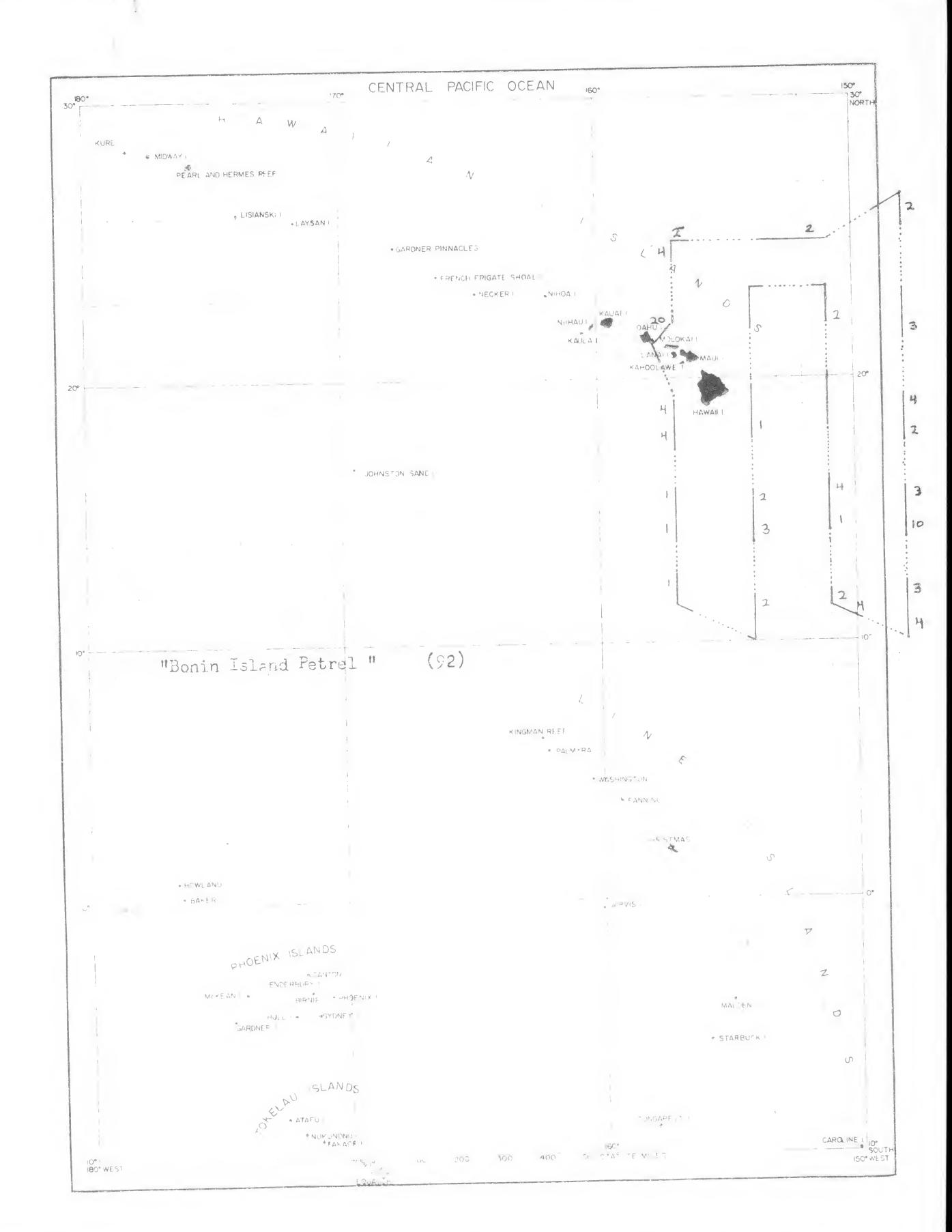












SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B

DATE 15 ept 64

Time at sunrise = $\frac{133}{9}$ Position at sunrise = $\frac{21217}{157}$ At 157 19 Time at sunset = $\frac{133}{9}$ Position at sunset = $\frac{2039}{9}$ N 157 19 W

Miles traveled from 0000 hours to sunrise =

Miles traveled from sunrise to sunset = 53

Miles traveled from sunset to 2400 hours = 26

TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE

1.
2.
3.
4.
5.

DATE 2 5 ent / 61

Time at sunrise $0 \le 13$ Position at sunrise = 1963 N 155 Squared Time at sunset $16 \le 19$ Position at sunset = 1963 N 155 Squared Position at sunset

Miles traveled from 0000 hours to sunrise = 66

Miles traveled from sunrise to sunset =

Miles traveled from sunset to 2400 hours = 5/

TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE

l.

- 2.
- 3.
- 4.
- 5.
- 6.

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B Time at sunrise = Position at sunrise = 15 47 × 157 50 W Time at sunset $= \frac{1838}{8}$ Position at sunset $= 14^{\circ} 12^{\prime} N$ $157^{\circ} 31^{\prime} N$ Miles traveled from 0000 hours to sunrise = 5/ Miles traveled from sunrise to sunset Miles traveled from sunset to 2400 hours = 54/ TYPE OF FIX TIME OF FIX LONGITUDE LATITUDE L. 2. 4. 5. 6. DATE Time at sunrise = Position at sunrise = 1203 N /50 To / 100 Time at sunset $\frac{1}{8}$ 33 Position at sunset Miles traveled from 0000 hours to sunrise = 37 Miles traveled from sunrise to sunset = +18-120 Miles traveled from sunset to 2400 hours TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE l.

- 2.
- 3.
- 4.
- 5.
- 6.

AT SEA SURVEY CHART B

Time at sunrise = 9606 Position at sunrise $= 1004N154^{\circ}15W$

Time at sunset = 18^{24} Position at sunset = 11° 43'N 157 60W

Miles traveled from 0000 hours to sunrise = 47

= 126 Miles traveled from sunrise to sunset

Miles traveled from sunset to 2400 hours = 64

TYPE OF FIX LONGITUDE TIME OF FIX LATITUDE

L.

2.

3.

4.

5.

6.

Time at sunrise = Position at sunrise = 13° Haw 15° Haw 15° Haw Time at sunset = 15° 59 N 153° 59 N 0604 \mathbb{I}^{92} Position at sunset = $15^{\circ} 59^{\circ}$ N

= 130 Miles traveled from sunrise to sunset

Miles traveled from 0000 hours to sunrise = 62

Miles traveled from sunset to 2400 hours

TIME OF FIX LATITUDE TYPE OF FIX LONGITUDE

1.

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2.

3.

4.

5.

SI-MNH-955b 3-4-64

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B

Time at sunrise $\stackrel{663}{=}$ Position at sunrise $= 17^{\circ} 44^{\circ} N$ $153^{\circ} 58^{\circ} N$ Time at sunset $\stackrel{142}{=}$ Position at sunset $= 19^{\circ} 54^{\circ} N$ $154^{\circ} - 00^{\circ} N$

Miles traveled from 0000 hours to sunrise = 58

Miles traveled from sunrise to sunset = 130

Miles traveled from sunset to 2400 hours

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE	•
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)	+.	23	600		-2.0 39
į.	5•	7 -13	1 25		
6	ó.		,	•	

Time at sunrise $\stackrel{60}{=}$ Position at sunrise $= 21^{6}3$ M 153^{6} 59 W Time at sunset $\stackrel{60}{=}$ Position at sunset $= 23^{6}30$ N 153^{6} 32 W

Miles traveled from 0000 hours to sunrise

= 122 Miles traveled from sunrise to sunset

Miles traveled from sunset to 2400 hours

TIME OF FIX	TYPE	OF FIX	LONGITUDE	LATITUDE

l.

2.

3.

4.

5.

4.

5.

6.

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B Time at sunrise = Position at sunrise = Position at sunset = Time at sunset Miles traveled from 0000 hours to sunrise = Miles traveled from sunrise to sunset Miles traveled from sunset to 2400 hours TYPE OF FIX LONGITUDE TIME OF FIX LATITUDE L. 2. 3. 4. 5. 6. Position at sunrise = 1 Time at sunrise Position at sunset Time at sunset Miles traveled from 0000 hours to sunrise = 4/8 Miles traveled from sunrise to sunset Miles traveled from sunset to 2400 hours TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE 1. 2. 3.

6.

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B

DATE	11 5 - 11	/ -
	Time at sunrise = Position at sunrise =	
	Time at sunset = Position at sunset =	
	Miles traveled from 0000 hours to sunrise =	1 73.
	Miles traveled from sunrise to sunset =	
	Miles traveled from sunset to 2400 hours =	
	TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE	
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	2.	
	3.	
	4.	
	5.	
	6.	
DATE		
	Time at sunrise = Position at sunrise =	
	Time at sunset = Position at sunset = /	5 10
	Miles traveled from 0000 hours to sunrise = 53	51.4
	Miles traveled from sunrise to sunset = 122	Tal 72
	Miles traveled from sunset to 2400 hours = 45	
	TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE	
	1.	•
	2.	
	.3•	
•	4.	
	5.	

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B

Time at sunrise = Position at sunrise = $\frac{0.542}{1.00}$

Time at sunset = Position at sunset =

Miles traveled from 0000 hours to sunrise = 64

Miles traveled from sunrise to sunset

Miles traveled from sunset to 2400 hours

TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE

L.

2.

3.

4.

5.

6.

Time at sunrise $= 13^{-7}$ Position at sunrise $= 13^{-7}$ Position at sunset $= 13^{-7}$ Position at sunset $= 13^{-7}$ Position at sunset $= 13^{-7}$

7.3-1- 125

Miles traveled from 0000 hours to sunrise = 55

Miles traveled from sunrise to sunset = 122

Miles traveled from sunset to 2400 hours

TIME OF FIX LONGITUDE TYPE OF FIX LATITUDE

1302 1.

2.

3.

4.

5.

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B

7 = 1 - 1 - 1

7.2/ -_ / * i

DATE 15 Sent 1:1

Time at sunrise = $0.5 \, \text{M}^{\circ}$ Position at sunrise = $0.7 \, \text{M}^{\circ}$

Time at sunset = 1 Position at sunset = 1

Miles traveled from 0000 hours to sunrise = 33

Miles traveled from sunrise to sunset

Miles traveled from sunset to 2400 hours = 77

TIME OF FIX LONGITUDE TYPE OF FIX LATITUDE

12 34 2.

3.

4.

5.

Time at sunrise = Position at sunrise =

= 1955 Position at sunset = 23 29 Time at sunset

Miles traveled from 0000 hours to sunrise = 57

Miles traveled from sunrise to sunset

Miles traveled from sunset to 2400 hours

TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE

1.

2.

3.

4.

5.

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B

DATE 17 Synt 201

Time at sunrise = Position at sunrise = 25 5 7

Miles traveled from 0000 hours to sunrise = 5/

Miles traveled from sunrise to sunset = 135

Miles traveled from sunset to 2400 hours =

TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE

L.

2.

3.

4.

5.

6.

DATE 15 5. 7

Time at sunrise = Position at sunrise = 545 N | 111 = 12

Time at sunset \supseteq Position at sunset = 75 / 153 / 153

Miles traveled from 0000 hours to sunrise = 6-/

Miles traveled from sunrise to sunset = ///

Miles traveled from sunset to 2400 hours =

TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE

1. /07/

2.

3.

4.

5.

600

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA SURVEY CHART B

DATE 19 Sept 6-1

Time at sunrise = Position at sunrise =

Time at sunset = Position at sunset = 23° 39° 157° oc'w

Miles traveled from 0000 hours to sunrise = 62

Miles traveled from sunrise to sunset = 90/129

= 90 129 729 = total min

Miles traveled from sunset to 2400 hours = 35

TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE

l.

2.

3.

4.

5.

6.

DATE 20 5 - / /4/

Time at sunrise = Position at sunrise = $21^{\circ}52^{\prime}N$ $157^{\circ}05^{\prime}N$

Time at sunset = Position at sunset =

Miles traveled from 0000 hours to sunrise = 62

346 Polomin

Miles traveled from sunrise to sunset = 65

Miles traveled from sunset to 2400 hours =

TIME OF FIX TYPE OF FIX LONGITUDE LATITUDE

1.

2.

3.

4.

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6.

DAT	E:_/	Sopi	1 6	14	_ To	tal	Minu	ites:_	31	4		_ To	otal	Miles	53
l.	Total A	Abund	lance	of	birds:										
No.	Sighti	ngs	No.	Bir	ds	Bi	rds/S	Sighti	ng	В	irds/N	Mile			
-	79 魁		6	53			te	95	8.2	7	12.3	32			
II.	Abunda	ance	of t	he S	hearwa	ter.	-Petr	el-Al	batro	OSS	Group:				
No.	Sighti	ngs	No.	Bir	ds		Bir	ds/Si	ghti	ng	Bird	ls/M	ile		
T	WT P	B.	T	WT	РВ		T	WT	P	В	T	WT	P	В	
46	43 0	2	251	248	02		5.43 5.46	5.77	000	1,00	4.74	4.6	80	.04	
III	. Abunda	ance	of T	ropi	cbirds	•									
No	Sightin	nac	Mo	Biro	7 c		Bir	ds/Si	ch+i	n c	Bird	I	:10		
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1	0 1		1	0	1			0,00	1.00		.02	0	.07		
*															
IV.	Abunda	ance	of T	erns	6.						,	,			
No.	Sightin	ngs	No.	Biro	ds		Bir	ds/Si	ghti	ng	Bird	ls/Mi	ile		
	30		3	3601				12.	0		6	5.81			, and
V.	Abundar	nce o	f Sh	oreb:	irds:										
No.	Sightir	ngs	No.	Bird	ds		Bir	ds/Si	ghtir	ng	Bird	ls/Mi	ile		
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VI.	Abunda	ance	of B	oohvs	2 6										
		~1100	<u> </u>	CODJI											
No.							Bi r	ds/Si	øht.i r	าฮ	Bi rd	s/Mi	le		
No。 T	Sightir BF RI	ngs		Bird BF		В	Bir T	ds/Si BF	ghtir RF	ng B	Bird T	s/Mi BF	lle RF	B	
	Sightir	ngs F B	No.	Bird	ls	B	T	BF	**		T			B .02	
T	Sightin BF RI O 13	ngs F B	No . T 36	Bird BF	ls RF	1	T 2-29	BF	RF	В	T	BF	RF		
T 1H VII	Sightir BF RI O 13	ngs F B	No. T 36	Bird BF	ls RF 3S atebir	1	T 2-09 2.5)	BF	RF 2.69	B).00	T	BF O	RF		
T 1H VII	Sightin BF RI O 13	ngs F B	No. T 36	Bird BF O	ls RF 3S atebir	1	T 2.5 2.5	BF	RF 2.69 ghtir	B).00	T •68 Bird	BF O	RF		
T 1H VII	Sighting BF RI O 13 . Abund Sighting 3	ngs FB	No. T 36 of: No.	Bird BF O Friga	RF 3S atebiro	1	T 2.5 2.5	BF o.or	RF 2.69 ghtir	B).00	T •68 Bird	BF O	RF		
T 1H VII No.	Sighting BF RI O 13 . Abund Sighting 3	ngs F B dance	No. T 36 of No.	Bird BF O Frigation	RF 35 atebira	ds:	T 2-29 2.5)	BF o.or ds/Si	RF 2.69 ghtir	B).oo	Bird	BF O	RF •66 •1e	.02	Feeding
T 1H VII No. VII Tot	Sighting BF RI O 13 . Abund Sighting 3	ngs F B dance	No. T 36 of: No.	Bird BF O Frigation	RF 3S atebiro	ds:	T 2.5)	BF o.or	RF 2.69 ghtir	B).oo ng	T •68 Bird	BF O .s/Mi	RF •66 •1e	.02	Feeding

DATE: 2 5 mg	nt 64 Tot	tal Minutes:	Total	Miles 74
1. Total Abun	dance of birds:			
No. Sightings	No. Birds	Birds/Sighting I	Birds/Mile	
45	8 57	X27	.61	
TT Abundance	of the Chesarant	Total Alberton	Constant	
		ter-Petrel-Albatross		
No. Sightings T WT P B	No. Birds T WT P B	Birds/Sighting T WT P B	Birds/Mile	В
39 15 16 3		1.26 1.40 1.25 1.0		
III. Abundance	of Tropicbirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T RT WT	T RT WT	T RT WT	T RT WT	
2 1 0	42 3 0	2.00 3.00 1.00	.03 0	
IV. Abundance	of Terns:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
2	2	1,00	. 62	
V. Abundance	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0		0.00	0,00	
VI. Abundance	of Boobys:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T BF RF B	T BF RF	B T BF RF B	T BF RF	В
00000	0000	00000	000	0
VII. Abundance	e of Frigatebird	S:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
VIII. Abundanc	e of Flocks:	1.00	. 01	No. Feeding
VIII. Abundance Total No. To	1	No. No. Feeding		No. Feeding F/MI.

DATE: 3 5 yt 64 Total	Minutes: 747	Total	Miles 95
1. Total Abundance of birds:			
No. Sightings No. Birds Bi	rds/Sighting	Birds/Mile	
對 13 50	3.8S	0.53	
II. Abundance of the Shearwater	-Petrel-Albatross	Group:	
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T WT P B T WT P B	T WT P B	T WT P	В
8 0 4 1 12 0 4 1	1.50 0.00 1.00 1.	٥٥ .13 ٥ .04	.01
III. Abundance of Tropicbirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T RT WT T RT WT	T RT WT	T RT WT	
220220	1.00 1.00 0.00	.02 .02 .00	
IV. Abundance of Terns:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
4 36	9.00	0.38	
V. Abundance of Shorebirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
O O	O.OO	0.00	
VI. Abundance of Boobys:			
	,		
No. Sightings No. Birds T BF RF B T BF RF B	Birds/Sighting	Birds/Mile	
	T BF RF B	T BF RF	<u>B</u>
0 0 0 0 0 0 0	0.00 0.00 0.00	0000	0
VII. Abundance of Frigatebirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
0	0.00	0.00	
VIII. Abundance of Flocks:			
Total No. Total No. Total No. Flocks Birds F/Mi.	. No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
BB (B) H (B) HI . OH	2	赵 25	At,02

DAT		15	egs	1	64		T	otal	Minu	ites:_		73	4	oT	tal	Miles	#15	12.
1.	Tot	al A	Abund	lance	e of	'bi	rds	6 .										
No.	Sig	htir	ngs	No	. Bi	rds		Bi	rds/S	Sight	ing	В:	irds/l	Mile				
	甘	5 47	2_	!	57				*	14-	1.36		0.4	8				
II.	Ab	unda	ince	of ·	the	She	arw	ater	-Petr	rel-Al	lbatr	oss (Group	•				
No .	Sig	htir	ngs	No	. Bi	rds			Bir	rds/Si	ighti	ng	Bir	ds/Mi	le			
T	WT	P	B.	T	WT	P	В		T	WT	P	В	T	WT	P	В		
44	10	22	2	51	12	39	2		1.16	1.20	1.18	1.00	0.43	0.10	122	.02		
III.	. Ab	unda	ance	of !	Irop	oicb	ird	S:										
Mo	Sig	htir	าสร	No	Ri	rds			Bir	ds/S	iøht.i	nø	Rire	ds/Mi	le			
T	RT	W		T	RI		WT		T	RT	WT	***6	T	RT	WT			
1	1	0		1	١		0		1.00	0.00	0.00)	.01	.01	0			
IV.	Ab	unde	ance	of!	Tern	ıs:								,				
No.	Sig	htir	ıgs	No	. Bi	rds	·		Bir	rds/S	ighti	ng	Bir	ds/Mi	le			
		2			4					2.00	5			. 03				
V.	Abu	ndar	nce o	of S	hore	bir	ds:											
No.	Sig	htir	ngs	No	. Bi	rds			Bir	rds/S	ighti	ng	Bir	ds/Mi	le			
6	ı				1					1.0	0			01				
VI.	Ab	unde	ance	of I	Boot	ys:												
No.	Sig	htir	ngs	No	. Bi	rds			Bir	rds/Si	ighti	ng	Bir	ds/Mi	le			
T	BF	RI		T	BF		RF	В	T	BF	RF	В	T	BF	RF	В		
0	0	Ć	0	0	0)	C	O	0	0	0	0	0	0	0	0		
VII	. A	bund	lance	e of	Fri	lgat	ebi:	rds:										
No.	Sig	htir	ngs	No	. Bi	rds			Bir	rds/Si	ighti	ng	Bir	ds/Mi	le_			
	()			C)			•	0.	00			0.0	00			
VTI	Ť	Ahm	danc	e of	ाम १	.ock	S 2											
Tot	al.	No.	To	tal rds		1		al No	Э.	No. F		ng	No. I		ng ——	No. F/M	Feedin	ıg
	0			\bigcirc			0	.00		0.	00		0.0	00		C	0.00	

DAT	E: 55 and	64	Tota]	L Minu	ites:_	73	7		_ To	tal	Miles	126	
1.	Total Abund	" lance of b	oirds:										
No.	Sightings	No. Bird	ls Bi	irds/S	Sighti	.ng	Bi	rds/N	Mile				
	42	52			. 24			O. 4					
II.	Abundance	of the Sh	nearwaten	-Peti	cel-Al	batro	ss G	roup					
No .	Sightings	No. Bird	ls	Bir	rds/Si	ghtin	g	Bird	ls/Mi	le_			
T	WT P B	T WT F	B	T	TW	Р	B	T	WT	P	В		
40	9 29,1	50 12 3	5 2	1.25	1.33	1.21 2	00.5	0.40	0.10	0.28	0.02		
III	. Abundance	of Tropic	birds:										
	Sightings	No. Bird		Bir		ghtin	g		ls/Mi				
T	RT WT	T RT	WT	T	RT	WT		T	RT	WT			
0	00	00	0	0	0	0		0	0	0			
IV.	Abundance	of Terns:											
No.	Sightings	No. Bird	.S	Bir	ds/Si	ghtin	g	Bird	ls/Mi	le			
-		1) (00		0	01				
V.	Abundance c	of Shorebi	rds:							•			
No.	Sightings	No. Bird	.s	Bir	ds/Si	.gh t in	g	Bird	ls/Mi	.le			
	\bigcirc	0			6				0				
VI.	Abundance	of Boobys	6										
No .	Sightings	No. Bird	.S	Bir	ds/Si	ghtin	g	Bird	ls/Mi	.le			
T	BF RF B	T BF	RF B	T	BF	RF	B	T	BF	RF	В		
0	0 0 0	0 0	0 0	0	0	0	0	0	0	0	0		
VII	. Abundance	e of Friga	tebirds:										
No.	Sightings	No. Bird	.S	Bir	·ds/Si	ghtin	g	Bird	ls/Mi	le			
	0	0		·	0			()				
VII	II. Abundanc	e of Floc	ks:										
		tal No. rds	Total N F/Mi.		No. F Flock	eeding s		No. F Birds		ng	No. F/M	Feeding I.	
2	% 0 3	EX O	O		a			0			c c		

DAT	E:_	Ć	bept.	6		_ I	otal	Minu	ites:_	7	40		To	tal	Miles	130
1.	То	tal	Abund	dance	of	birds	•									
No.	Si	ghti	ngs	No.	Bir	ds	Bi	rds/S	Sighti	ng	Bi	irds/	Mile			
	ى	3			378			le	.00			2.9	1			
II.	A.	bund	lance	of t	he S	hearw	ater	-Petr	el-Al	batr	oss (Group	:			
No.	Si	ghti	ngs	No.	Bir	ds	•	Bir	ds/Si	ghti	ng	Bir	ds/Mi	le		
T	WT	P	B.	<u>T</u>	WT	P B		T	WT	P	В	T	TW	P	B	
61	8	34	1	150	30	77 1		2.46	3.75	2.26	2.00	1.15	0.23	0,59	0.07	
III	. A	bund	lance	of T	ropi	cbird	S:					•				
No.	Si	ghti	.ngs	No.	Bir	ds		Bir	ds/Si	ghti	ng	Bir	ds/Mi	le		
T	RT	W	7T	T	RT	WT		T	RT	WT		T	RT	WT		
1	Ф	()	2	Φ	0		1.00	1.00	0.0	0	100	.01	0.00	0	
IV.	A ⁻	bund	lance	of I	lerns	0.										
No.	Si	ghti	ngs	No.	Bir	ds	·	Bir	ds/Si	ghti	ng	Bir	ds/Mi	le		
		+		2	20				55				1.60	1		· ·
V.	Ab	unda	nce o	of Sh	oreb	irds:										
No.	Si	ghti	.ngs	No.	Bir	ds		Bir	·ds/Si	ghti	ng	Bir	ds/Mi	le		
		1			1				1.0	0		6	.01			
VI.	A	bund	ance	of E	looby	S:										
No.	Si	ghti	.ngs	No .	Bir	ds		Bir	·ds/Si	ghti	ng	Bir	ds/Mi	le		
T	BF	R	RF B	T	BF	RF	В	T	BF	RF	В	T	BF	RF	В	
0	0	(() (°	0	0	0	0	0	0	0	0	0	0	\mathcal{O}	0	
VII	0 4	Abun	ıdance	e of	Frig	atebi	rds:									
No.	Si	ghti	.ngs	No.	Bir	ds		Bir	·ds/Si	ghti	ng	Bir	ds/Mi	le_		
		3			Н				1.3	3			0.03			
VI	II.	Abu	ndanc	e of	Floo	cks:										
	tal ocks	No.		tal rds		Tota F/M	al No		No. F Flock		_	No. I Birds	reedi:	ng	No. F/MI	Feeding
		7		30	7		,03	***	1			17	7		001	

DAT	E:	Sept	t.7			Tot a l	Min	utes:	7	43	·	T	otal	Miles	130
1.	Tota	al Abur	ndance	e of	birds	5:									
No.	Sigl	ntings	No.	. Bir	ds	Bi	rds/	Sight	ing	E	Birds/	Mile			
	9	24		49			2	KO. 1			0.3	8			
II.	Abı	ındance	e of t	the S	hearv	vater	-Pet:	rel-A	lbatr	oss	Group	•			
No .	Sigh	ntings	No.	. Bir	ds		Bi:	rds/S	ighti	ng	Bir	ds/M:	ile		
T	WT	P B.	T	WT	P B		${ m T}$	WT	P	В	T	WT	P	В	
22	1 8	包 0	31	1 1	7 0)	1.41	1.00	1.42	0.00	0,24	0.61	0.13	0,00	
III	. Abı	ındance	of T	ropi	ebiro	ls:									
		ntings		Bir			-	rds/S		ng		ds/M			
<u>T</u>	RT	WT	\overline{T}	RT	WT		T	RT	WT		T	RT	TW		
0	0	0	0	0	0		0	0	O		0	0	6		
IV.	Abu	ındance	of T	erns	o. o										
No.	Sigh	tings	No.	Bir	ds	 	Biı	rds/S	ighti	ng	Bir	ds/Mi	ile		
*****	7			17				4.5	15		•	6.1	.3		
V.	Abun	ıdance	of Sh	oreb	irds:										
No.	Sigh	tings	No.	Biro	ls		Bir	ds/S	ighti	ng	Biro	ls/Mi	lle		
	(<u> </u>		0				C)			0			
VI.	Abu	ndance	of B	oobys	5 .										
		tings	No.	Bird	ls		Bir	:ds/Si	ighti	ng	Bird	ds/Mi	le		
<u>T</u>	BF	RF B	T	BF	RF	В	T	BF	RF	В	T	BF	RF	В	
0	0	0 0) 0	0	0	C	0	0	0	0	0	0	0	0	
VII,	. Ab	undanc	e of	Frige	atebi	rds:									
No.	Sigh	tings	No.	Bird	ls		Bir	ds/Si	ghti	ng	Bird	ls/Mi	le		
		l		1			•	} .	00		(0.0	(
VII	I. A	bundand	ee of	Floc	ks:				· · · · · · · · · · · · · · · · · · ·						
	al No		tal I	No.	Tota F/M	al No		No. F Flock		ng	No. F Birds		ng	No. F/MI	Feeding •
2)		26		0.	02					21			, 01	

DATE:	Dept.	8		_ To	otal	Min	utes:		745		T	otal	Miles	122
l. Total	. Abund	ance	of 1	oirds	:									
No. Sight	ings	No.	Bir	ds	Bir	·ds/	Sight	ing	I	Birds/	Mile			
15			68			4	.53			0.5	6			
II. Abun	dance	of t	he Sl	nearwa	ater-	Pet	rel-A	Albati	ross	Group):			
No. Sight	ings	No.	Bird	ls		Bi	rds/S	Sight:	ing	Bir	ds/M	ile		
T WT P	B.	T	WT' I	? B		T	WT	P	В	T	WT	P	B	
12 5	0	43	1 1	2 0	3.	.58	1.00	2.40	0,00	0.35	0.01	0.10	0.00	
III. Abun	dance (of T	ropio	ebirds	5 :									
No. Sight	ings	No.	Bird	ls		Bi	rds/S	Sight	ing	Bir	·ds/M	ile		
	WT	T	RT	WT		T	RT	WT		T	RT	WT		
3 0	3	3	0	3	l	106	0.00	1.0	0	0.02	0.00	0.0	2	
IV. Abun	dance (of T	erns:											
No. Sight	ings	No.	Bird	ls		Bi	rds/S	Sighti	ing	Bir	ds/M	ile		
1			20				20.0	56			6.1	6		
V. Abunda	ance of	f Sh	orebi	rds:										
No. Sight	ings	No.	Bird	ls		Bi	rds/S	Sigh t i	ing	Bir	ds/M	ile		
0			0					0			0			
VI. Abun	dance (of Bo	oobys	0										
No. Sight:	ings	No.	Bird	s		Bi	rds/S	Sighti	ing	Bir	ds/M	ile		
T BF	RF B	T	BF	RF	В	T	BF	RF	В	T	BF	RF	В	
0 0	0 0	0	0	0	0	0	0	0	C	0	0	0	0	
VII. Abu	ndance	of]	Friga	tebir	ds:									
No. Sight:	ings	No.	Bird	.S		Biı	rds/S	ighti	ng	Bir	ds/Mi	ile		
١			١				1.0	00			0.01			
VIII. Abt	ındance	of	Floc	ks:			· · · · · · · · · · · · · · · · · · ·							
Total No.		al N		Total F/Mi		•	No. I	Feedi ks	ng	No. I		ng	No. F/MI	Feeding
1	5	4		().0				1		5	Ч		C	10.0

DAT	E: 95 mg 7	6 + 1		Tot	al Mi	nutes:		74	/	To	otal	Miles	117
1.	Total Ab	undanc	e of b	irds:									
No.	Sightings	s No	. Bird	S	Birds	/Sight	ing	E	Birds/	Mile			
	11		118		11,	31			. 1	-/ /			
II.	Abundan	ce of	the Sh	e arwa t	er-Pe	trel-A	lbatr	oss	Group	:		•	
No.	Sightings	s No	. Bird	S	В	irds/S	ighti	ng	Bir	ds/Mi	ile		
T		3· T	WT P		T		P	В	T	WT	P	В	
1-1	11 7	7 117	\$ 3 3	ر	311	2 /	-1, 3	Ē	. 41.0	, (7	.32	Ú	
III	. Abundan	ce of	Tropic	birds:									
No.	Sightings	s No	. Bird	S	В	irds/S	ighti	ng	Bir	ds/Mi	ile		
T	RT WT	T	RT	WT	Ţ		WT		T	RT	WT		•
`.									4			-	
IV.	Abundan	ce of	Terns:										
No.	Sighting	s No	. Bird	S	В	irds/S	ighti	ng	Bir	ds/Mi	ile		
V.	Abundance		horebi . Bird		В	irds/S	ighti	ng	Bir	ds/Mi	ile		
VI.	Abundan	ce of	Boobys	•			·		4004				
No.	Sighting	s No	. Bird	S	В	irds/S	iøht.i	nø	Bir	ds/M	ile		
T	BF RF	B T	BF		B T		RF	В	T	BF	RF	В	
VII	. Abunda	nce of	Friga	tebird	s:								
No.	Sighting	s No	. Bird	.S	В	irds/S	ighti	ng	Bir	ds/Mi	ile		
	1)			1,60			b	- 1			
To	II. Abunda tal No. ocks	ance o Total Birds	No.	ks: Total F/Mi.		No. :	Feedi:	ng	No. Bird	Feedi .s	.ng	No. F/M	Feeding I.
	2	311				1			12			06	1

DAT	E: Sept.	10	Tot	al Min	utes:_	7	40		To	tal 1	Miles	135
1.	Total Abun	dance of b	irds:									
No.	Sightings	No. Bird	.s	Birds/	Sighti	ng	Bi	irds/	Mile			
-	11	14		1.2	17			0.10) ———			
II.	Abundance	of the Sh	earwat	er-Pet	rel-Al	batr	oss (Group	•			
No.	Sightings	No. Bird	S	Bi	rds/Si	ghti	ng	Bir	ds/Mi	le		
T	WT P B	T WT P	B	T	WT	P	В	I	TW	P	В	
11	270	14 3 8	0	1.27	1.50	1.14	0.00	0.10	0.62	0.06	0.00	
III	. Abundance	of Tropic	birds:			•					•	
No.	Sightings	No. Bird	S	Bi	rds/Si	ghti	ng	Bir	ds/Mi	.le		
T	RT WT	T RT	WT	Ť	RT	WT		T	RT	WT		
0	6 0	0 0	0	0	0	0		0	\circ	0		
IV.	Abundance	of Terns:				· · · · · · · · · · · · · · · · · · ·						
No.	Sightings	No. Bird	S	Bi	rds/Si	ghti	ng	Bir	ds/Mi	le		
	0	0		···	0				0			
V.	Abundance d	of Shorebi	rds:									
No.	Sightings	No. Bird	S	Bij	ds/Si	ghti	ng	Bir	ds/Mi	le_		
	0	0			0				0			
VI.	Abundance	of Boobys	8.				•					
No.	Sightings	No. Bird	S	Bin	ds/Si	ghti	ng	Biro	ds/Mi	le		j.,
T	BF RF B	T BF		B T	BF	RF	В	T	BF	RF	B	
	0	0			Ć)			\circ			
VII	. Abundance	e of Friga	tebird	S:								
No.	Sightings	No. Bird	S	Bir	ds/Si	ghti	ng	Bir	ds/Mi	le		
	\bigcirc	0			C				\bigcirc			
VI	II. Abundanc	e of Floc	KS:									
		tal No.	Total F/Mi.		No. For		0	No. E Birds	eedi:	ng	No. F/M	Feeding L.
	\wedge											

DAT.	E: 11 5.7.7	1.77	Total	Min	utes:	7	38		To	otal	Miles	124
1.	Total Abun	dance of bird	ls:									
No.	Sightings	No. Birds	Bi	rds/S	Sight	ing		Birds/	Mile			
	20	21/2		1.9	, 6			1,9	Í			
II.	Abundance	of the Shear	water.	-Pet:	rel-A	lbatr	oss	Group);			
	Sightings	No. Birds			rds/S				ds/Mi			
ľ	WT P B	T WT P E		T < 15	WT "	P 41,05	B	1,0 g	WT . 2 Z	P 2	<u>B</u>	
		of Tropicbir										
	Sightings	No. Birds	us:	Bir	rds/S:	ighti	ng	Bir	ds/Mi	ile		
Γ	RT WT	T RT WI		T	RT	WT	0	T	RT	TW		
· ·									·		Millegraphy manufactures.	
IV.	Abundance	of Terns:										
To .	Sightings	No. Birds		Bir	rds/Si	ighti	ng	Bir	ds/Mi	le		
	1/	106			2 /1 5	ن			1 5			
	Abundance	of Shorebirds	:									
10.	Sightings	No. Birds		Bir	ds/Si	ghti	ng	Bir	ds/Mi	le		
T.	Abundance	of Boobys:										
	Sightings	No. Birds		Bir	ds/Si	ghti	ng	Bir	ds/Mi	le		
1	BF RF B	T BF RF	В	T	BF	RF	В	T	BF	RF	В	
/II。	Abundance	e of Frigateb:	irds:	······································			· · · · · · · · · · · · · · · · · · ·					
	Sightings	No. Birds		Bir	·ds/Si	øht.i:	nø	Bi r	ds/Mi	le		
	/	2			7							
VII	I. Abundano	e of Flocks:										
		rds F/M	al No		No. F Flock		ng	No. H Birds		ng	No. F/MI	Feeding
3	e ^s	221 ,	62		3			2-21			002	

DAT	E:12	5 yr	f, 6	4		_ To	otal	Minu	ites:_	a	729	8	To	otal	Miles	124	- 12
1.	Tot	al.	Abun	dance	e of	birds	8- 0-										
No.	Sig	ghti:	ngs	No	. Bir	ds	Bi	rds/S	Sighti	ng	В	irds/	Mile				
	11	6			626)		5.	40			5.6	55	13			
II.	Ab	unda	ance	of -	the S	hearwa	ater.	-Petr	el-Al	.batr	oss (Group	:				
No.	Sic	rh+ i ·	nas	No	. Bir	Дq		Rir	ds/Si	oht.i	n o	Bir	ds/M	ile			
T T	WT	P	B.	T		P B		T	WT	P	В	T	WT	P	В		
146	12	133	0	498		63 0		3.41	2.83	3.47	0.00	4002		3.73	0.00		
III	. At	und	ance	of !	Tropi	cbird	S:					U					
No.	G: ೧	·h+i	n a c	$N \cap$. Bir	de		Rir	·ds/Si	chti	na	Rin	ds/M:	ile			
T T	RT	M		T	RT	WT		$\frac{D_{11}}{T}$	RT	WT	118	T	RT	WT			
S		0		0	හ	0		0	0	0	-	0	0	0			
IV.	Ab	und	ance	of !	Terns	6.											
No.	Sig	hti:	ngs	No	. Bir	ds		Bir	ds/Si	ghti	ng	Bir	ds/M	ile	7		
-	12			١	25				10.	42			1,01	1,0) p.!		
V.	Abu	ında:	nce (of S	horeb	irds:											
No.	Sig	hti:	ngs	No	. Bir	ds		Bir	ds/Si	ghti	ng	Bir	ds/M	ile	·		
					١				1,00				0.01	1			
VI.	At	ound	ance	of I	Booby	S:											
No.	Sig	shti:	ngs	No	. Bir	ds		Bir	·ds/Si	ghti	ng	Bir	ds/M	ile			
T	BF	R			BF	RF	В	T	BF	RF	В	T	BF	RF	В		
0	0	0	0	0	0	0	0	0	0	0	0	O	0	0	\circ		
VII	. A	bun	danc	e of	Frig	atebi:	rds:										
No.	Sig	ghti	ngs	No	. Bir	ds		Bir	ds/Si	ghti	ng	Bir	ds/M	ile			
		O			0								0				
VII	II.	Abur	ndano	ce of	Flo	cks:											
Tot		No.	Tc	otal irds			al No		No. F Flock		ng	No. Bird	Feedi s	.ng	No.F/MJ	Feedi:	ng
1	5		L	151		1004	mp 92.	-14/	3			15	7			2.02	

DAT	E: Sept	13	To	otal Mi	nutes:	/	33		T	otal	Miles 119
1.	Total Abur	ndance of	birds:	:							
No.	Sightings	No. Bi	rds	Birds	/Sight	ing	Ε	Birds/	Mile		
	43	47	·	l	.09			0.3	7		
II.	Abundance	of the S	Shearwa	iter-Pe	trel-A	lbatı	ross	Group	:		
	Sightings	No. Bi			irds/S		ing	Bir	ds/M	ile	
T	WT P B	T WT	РВ	T	WT	P	В	T	WT	P	В
12	9 25 0	45 10	26 0	1.07	7 1.//	1.04	6 .00	0.38	0.08	0.22	0.00
III	. Abundance	of Trop	icbirds	6							
	Sightings	No. Bir			irds/S	ighti	ing	Bir	ds/Mi	ile	
r	RT WT	T RT	WT	T	RT	WΤ		T	RT	WT	-
0	0 0	0 0	0	C	0	0		0	0	0	
IV.	Abundance	of Terns	1 a								
lo.	Sightings	No. Bir	·ds	Bi	rds/S	ighti	ng	Bir	ds/Mi	le	
	1	2			2	.00			0.02		
T .	Abundance	of Shoreb	oirds:								
ю.	Sightings	No. Bir	ds	Bi	rds/S	igh t i	.ng	Biro	ds/Mi	le	
	0	0			Ĉ)			0		
T.	Abundance	of Booby	S:				<i>→</i>				
0.	Sightings	No. Bir	ds	Bi	rds/S	ighti	ng	Bird	ds/Mi	le	
1	BF RF B	T BF	RF	B T	BF	RF	В	T	BF	RF	В
0	0 0 0	0 0	0	0 0	0	0	0	0	٥.	0	O
II,	Abundanc	e of Frig	atebir	ds:							
0.	Sightings	No. Bir	ds	Bi	rds/Si	ighti	ng	Bird	ls/Mi	le	
	O	0			0				0		
VII	I. Abundano	ee of Flo	cks:			· /· · · · · · · · · · · · · · · · · ·					
Tot	al No. To	otal No.	Total F/Mi.		No. F		0	No. F Birds		ng	No. Feedin F/MI.
	0	0	2		0)		C)		G

DAT.	E: 14 Se	pt 6	4	_ T	otal	Minu	ites:_	7	35		To	otal .	Mile	s 172
1.	Total Ab	undanc	e of 1	oirds	6- 6-									
No.	Sightings	s No	. Bird	ds	Bi	rds/S	Sighti	ng	В	irds/	Mile			
	63		265			4.	21			2.1	7			
II.	Abundan	ce of	the Sl	nearw	ater	-Petr	el-Al	batr	oss	Group	•			
No .	Sightings	s No	. Bird	ds		Bir	·ds/Si	ghti:	ng	Bir	ds/Mi	le		
T	WT P I	3. T	WT I	? B		T	WT	P	В	T	WT	P	B	
71	5 47 (196	18 11	3 0		2.76	3.60	2.40	0,00	1.61	0.15	0.93	0.00	
III	. Abundan	ce of	Tropio	cbird	S:									
Mo	Sightings	z No	. Bird	7 c		Rin	ds/Si	ahti:	no	Rir	ds/Mi	٦٥		
T	RT WT	T	RT	WT		T	RT	WT	118	T	RT	WT		
2	1 1	3	2	1	<u> </u>		2.00		>	0.02			1	
				- 						,				
IV.	Abundan	ce of	Terns											
No.	Sightings	s No	. Bird	ls		Bir	·ds/Si	ghti:	ng	Bir	ds/Mi	le		
	4		//				11 -	^			O 51	,		
	1		66				16.50	<i></i>			0.5	1		
V.	Abundance	e of S		irds:			16.50					1		
						Bir	ds/Si		ng		ds/Mi			
	Abundance		horeb			Bir	ds/Si		ng	Bir				
	Abundance Sightings O	s No	horebi	ls		Bir	ds/Si	ghti	ng	Bir	ds/Mi			
No.	Abundance Sightings O Abundance	s No	horebi	ds S:			ds/Si	ghti:		Bir	ds/Mi	le		
No.	Abundance Sightings O	s No	horebi	ds S:	В		ds/Si	ghti:		Bir	ds/Mi	le	B	
No. VI.	Abundance Sightings O Abundance Sightings	ee of	horebi	ds ds	B 0	Bir	ds/Si	ghti:	ng	Bir	ds/Mi	le le		
No. VI. No. T	Abundance Sightings O Abundance Sightings BF RF O O	ce of B T	horebi	ds ds RF	0	Bir T O	ds/Si BF	ghti:	ng B	Bir Bir	ds/Mi	le RF		
No. VI. No. T O VII	Abundance Sightings O Abundance Sightings BF RF O O	ee of B T o Co	horebi	ds ds RF O atebi:	0	Bir T O	ds/Si BF	ghti O RF O	ng B	Bir T O	ds/Mi	le RF		
No. VI. No. T O VII	Abundance Sightings O Abundance Sightings BF RF O O	ee of B T o Co	horebi	ds ds RF O atebi:	0	Bir T O	ds/Si	ghti O RF O	ng B	Bir T O	ds/Mi	le RF		
No. VI. No. T O VII No.	Abundance Sightings O Abundance Sightings BF RF O O Abundance Sightings	e of No B T o o	Boobys Bird Friga	ds ds RF O atebi:	0	Bir T O	ds/Si BF O	ghti O RF O	ng B	Bir T O	ds/Mi	le RF		
No. VI. No. T O VII No.	Abundance Sightings O Abundance Sightings BF RF O O Abundance Sightings C	e of No B T o o	horebines in the second	ds ds RF O atebi:	rds:	Bir O	ds/Si BF O	ghti: C ghti: C ghti:	ng B	Bir T O	ds/Mi ds/Mi ds/Mi ds/Mi	le RF O	0	Feeding

TAC	正:_	15,	Set	st. 1	76H		Io t	al	Min	utes:		731		To	otal	Miles	115
1.	To:	tal A	lbun	danc	e of	birds	5:										
No.	Si	ghtir	ıgs	No	. Bir	ds		Bir	ds/S	Sight	ing	Ε	Birds/	Mile			
		56			72					. 29			0.6	_			
II.	Δ٦	าเทศิล	nce	of :	the C	heari	.ro+		. Do+1	7-1-A	l hata	nocc	Group				
440	Λ	Juliaa		OI	OTIC K)IICaI (va u	ST -					Group				
$\frac{\text{No}}{\text{T}}$	Sig WT	ghtin P	ıgs B		. Bir					rds/S				ds/Mi			
	ΜŢ			<u>T</u>	WT	P B			T	WT	<u>P</u>	В	T	WT	P	В	
53	6	26	0	62	8 3	20		·	1.17	1.33	1,23	0.00	0.54	0.07	0.28	0.00	
III	. Al	ounda	nce	of !	Tropi	cbird	ls:										
No.	Sig	ghtin	gs	No	. Bir	ds			Bir	rds/S	ighti	ing	Bir	·ds/Mi	ile		
T	RT	WI		T	RT	WT			Ť	RT	WT		T	RT	WT		
6	6	0	•	7	7	0			1.17	1.17	0.0	0	0.06	0.06	0.00)	
IV.	Αì	ounda	nce	of :	[erns	•			 								
No.	Sig	ghtin	.gs	No.	Bir	ds			Bir	ds/S:	ighti	ing	Bir	ds/Mi	le		
		1	·····		3						.06	<u> </u>		0.03			
V.	Abı	ından	.ce c	of Sh	noreb	irds:											
No.	Sig	ghtin	gs	No.	Bir	ds			Bir	ds/S	igh t i	ng	Bir	ds/Mi	.le		
	(٥			G						0			0			
VI.	At	ounda	nce	of I	Booby	S:				······································							
No .	Sig	ghtin	gs	No .	Bir	ds			Bir	·ds/Si	ghti	ng	Bir	ās/Mi	le		
Ţ	BF	RF	7	T	BF	RF	I	3	T	BF	RF	В	T	BF	RF	В	
٥	0	0	0	0	\circ	0	C)	0	0	0	\circ	0	0	0	0	
VII	. A	bund	ance	of	Frig	atebi	rds	:							***************************************		
No.	Sig	htin	gs	No	Bir	ds			Rir	ds/Si	øht.i	nø	Rir	ds/Mi	le		
		0	0~	2,00	0					(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0			
VI	I	Abund	danc	e of	Floo	cks:											
Tot		No.	To	tal rds		Tota F/M		No a		No. F Flock		ng	No. I	Feedin	ng	No. F/MI	Feeding
	1			7			01			1			7			0.	

DAT.	E: 16 5 - 10	7 641		Tota	l Min	utes:	73	6	T	otal	Miles	173
. 0	Total Abur	ıdance	of bir	ds:								
No.	Sightings	No.	Birds	· B	Birds/	Sight	ing	Birds	/Mile			
-,	73	9 5	<i>(</i>		1.	30		,	77 .	1200		
II.	Abundance	of th	e Shea:	rwate	r-Pet	rel-A	lbatros	s Grou	p:			
No.	Sightings	No.	Birds		Bi	rds/S	ighting	Bi:	rds/M	ile		
Γ	WT P B	T W	T P	В	T	WT	P B		WT	P	В	
2	6 19 0	87 6	2 2 6		1.21	1.00	1.16 0	.71	.55	, 14	D	
[II	. Abundance	of Tr	opicbi	rds:								
Vo.	Sightings	No.	Birds		Bi	rds/S	ighting	Bi	rds/M	ile		
Γ	RT WT	T I	RT W	r	Ť	RT	WT	${f T}$	RT	WT		
3	3 0	3	3 0		1,66	1,00	f gro	,07	· • 1	64		
EV.	Abundance	of Te	rns:									
No.	Sightings	No.	Birds		Bi	rds/S	ighting	Bij	rds/M	ile		
	1	1	/			4,60			.03			
<i>I</i> •	Abundance	of Shor	rebirds	5:								
No.	Sightings	No.]	Birds		Bi	rds/S	ighting	Bir	ds/M	ile		
	1		/			1,56			,0	}		
T.	Abundance	of Boo	obys:									
10 o	Sightings	No. I	Birds		Bi	rds/S	ighting	Bir	ds/Mi	ile		
<u> </u>	BF RF B	TI	BF RE	т В	T	BF	RF]	В Т	BF	RF	В	
								,				
/II	Abundanc	e of Fi	rigateb	oirds	:							
NO.	Sightings	No. I	Birds		Bi	rds/Si	ighting	Bir	ds/Mi	lle		
VIT	I. Abundano	e of F	locks:						1-1			
Tot	al No. To	ot al N o irds	. To	tal N Mi.	lo .	No. F	eeding	No. Bird	Feedi s	ng	No. F	eeding
		12		. /	· · · · · · · · · · · · · · · · · · ·	1		12			, 6	

TAC	E: 17 5	1 6 °1 To	otal Minutes: 740	Total	Miles
1.	Total Abun	dance of birds:			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
		, a		. 71	
II.	Abundance	of the Shearwa	ater-Petrel-Albatross	Group:	
No .	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T		T WT P B	T WT P B	T WT P	В
21	c 4 0	33 2 4 6	1,1: E 1,00 C.	.17 0 .23	
III	. Abundance	of Tropicbirds			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T	RT WT	T RT WT	T RT WT	T RT WT	
?	1 2	<u> </u>	1.67 2.66 1.33	. 4	
IV.	Abundance	of Terns:			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
V.		of Shorebirds: No. Birds	Birds/Sighting	Birds/Mile	
VI.	Abundance	of Boobys:			
No 。	Sightings BF RF B	No. Birds T BF RF	Birds/Sighting B T BF RF B	Birds/Mile T BF RF	В
VII	. Abundanc	e of Fr ig a tebir	ds:		
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
Tot	cal No. To	ce of Flocks: otal No. Tota irds F/Mi	l No. No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.

DAT	E:_	8	Sep	+ 6	,4		To:	tal	Minu	ites:		Ŋ-	-	I	btal	Miles	19/15	,
1.	Tot	al	Abun	danc	e of	bi	rds:											
No.	Sig	ghti	ngs	No	. Bi	rds		Bi	rds/S	Sight	ing	E	Birds/	Mile				
		37			47				1.1	3			0.20	1				٠
II.	At	ound	ance	of	the S	Shea	arwa	ter	-Petr	el-A	lbatı	coss	Group):	•			
No.	Sig	ghti	ngs	No	. Bi	rds			Bir	ds/S	ighti	ing	Bir	ds/M	ile			
T	WT	Р	B.	T	WT	P	В		T	WT	P	В	T	WT	P	В		
33	2	5	0	38	2	5	0		1.15	1.00	1.00	0.00	<i>5</i> .26	0.01	0.03	0:00		
III	. Ab	ound	ance	of '	Trop	Lcb:	irds	6										
No.	Si a	rht.i	nøs	No	. Bir	250			Rir	ds/S	i chti	ina	Rin	ds/M	ile			
T T	RT	W	-	T	RT		VT.		$\frac{D_{\perp \perp}}{T}$	RT	WT	LIIS	T	RT	WT			
2	2		5	2	2	_ (0		1.00	1,00	0.0	0	0.01	0.01		0		
IV.	Ab	ound	ance	of !	Terns	5 :												
No.	Sig	hti:	ngs	No	. Biı	ds			Bir	·ds/S	ighti	ng	Bir	ds/M	ile			
***************************************	Ć	<u> </u>			0					1	0			0				
V.	Abu	ında	nce o	of Sl	horel	ird	ds:											
No.	Sig	;hti:	ngs	No	. Bir	ds			Bir	ds/S	ighti	ng	Bir	ds/M	ile			
	(0			C)					0			C)			
VI.	Ab	und	ance	of]	Booby	s:												
No .	Sig	hti	ngs	No	. Bir	'ds			Bir	ds/S:	ighti	ng	Bir	ds/M	ile			
T	BF	R		T	BF		RF.	В	T	BF	RF	В	T	BF	RF	В		
0	0	0	0	0	٥	(0	O	O	0	0	0	0	0	0	0		
VII	. A	bun	dance	e of	Frie	gate	ebird	ds:										
No.	Sig	hti	ngs	No	. Bir	ds			Bir	ds/S	ighti	.ng	Bir	ds/M	ile			
		2			2				-	1.0	O			0.01				
			ndanc					Ma	,	No. F	leed:	no	No.	Peed:	ina	No	Feedir	າອ
	al			tal rds	INO .		otal '/Mi.			NO. F Flock			Birds		riig	F/MI		
	D			\circ			0			C	>		(0				

DAT	E:	19,	Sep	+, 1	764	1_	To	tal	Minu	ites:		720	7	T	btal	Mile	es <u>40</u>
1.	Tot	al A	Abund	lanc	e of	f b	irds:										
No.	Sig	ghtir	ngs	No	. Bi	ird	S -	Bi	rds/S	Sighti	ing		Birds	/Mile	•		
	-	12			93	,			1.	29			10	3,7	2		
II.	At	unda	ance	of	the	Sh	earwa	ter	-Petr	el-Al	Lbatr	oss	Grou	p:			
No .	Sig	ghtir	ngs	No	. Bi	ird	S		Bir	ds/Si	ighti	ng	Bi	rds/M	ile		
T	WT	P	B.	T	WT	P	В		T	WT	P	В	T	WT	P	В	
67	14	11	1	81	22	14	١		1.21	1.57	1.27	1.00	0.90	6.24	0.45	0.01	
III	. Ab	unda	ance	of	Trop	pic	birds	•							.1/		
No	Sio	htir	าสร	No	. Bi	rde	q		Rin	ds/Si	ahti	na	Ri :	rds/M	·10		
T	RT	W'I		T	RI		WT		$\frac{D_{11}}{T}$	RT	WT	118	$\frac{1}{T}$	RT	WT	-	
1	1	0		3	3		0			3.00		0	0.65		0.0	,0	
IV.	Ab	unda	ince	of	Terr	ıs:							706				
No.	Sig	htir	ıgs	No	. Bi	rds	S	····	Bir	ds/Si	ghti	ng	Bi	rds/M	ile		
					4					2.00	۵			G-0	-10:	3	
V.	Abu	ndar	nce o	of S	hore	ebi	rds:										
No.	Sig	htin	ıgs	No	. Bi	rds	5		Bir	ds/Si	ghti	ng	Bir	rds/M	ile		
		O			0					0				O			
VI.	Ab	unda	ince	of I	Boob	ys	o. o										
No	Gi a	htin	n cr c	T\T_	. Bi	200	7		Din	ds/Si	ab+i	35 27	D: -	ds/M	: 7 ~		
T	BF	RF		T	BF		RF	В	T	BF	RF	В	L DTT	BF	RF	В	
0	0	0	0	0	0		0	0	٥	0	0	0	0	0	0	0	
VII	。 A	bu n d	ance	of	Fri	.gat	tebir	ds:									
No.	Sig	htin	ıgs	No	. Bi	rds	5		Bir	ds/Si	ghti	ng	Bir	ds/M	ile		
		1			1					1.00	>			0.01			
VII	Ï.	Abun	danc	e of	Flo	ock	S:										
	al :			tal rds	No.		Total F/Mi			No. F		ng	No. Bird	Feedi s	ng	No.F/M	. Feeding
	١			9		* ************************************	0.0			0				0			0

DAT	E: 2	0 5.	n. A 6	4	_ :	[ota	l Min	utes:		3416		T	otal	Miles	65
1.	Tota	l Abun	dance	e of h	oirds	5:									
No.	Sigh	tings	No	. Bird	ls	B:	irds/	Sight	ing	E	Birds/	Mile			
	165		1	154			7	7,00			17.7-	1 .7.	75		
II.	Abu	ndance	of T	the Si	nearv	<i>r</i> ate:	r-Pet	rel-A	lbatr	oss	Group	:			
vo.	Sigh	tings	No	. Bird	ls		Bi	rds/S	ighti	ng	Bir	ds/M	ile		
Γ	TW	P B	T	WT I	B		T	WT	P	В	T	WT	P	В	
,	52 2	c :	197	845 7	1 0		8,5!	16.23	1.0 5	C'	(·	12,2	. 3 2		
ΊΙ	• Abu:	ndance	of S	[ropic	birā	ls:									
	Sigh			Bird			7	rds/S		ng	Bir	ds/M	ile		
[RT	TW	T	RT	WT		T	RT	WT		T	RT	WT		
)	0		1	0	1		1,50	Č,	1000		1: 2	Ç	. 6 7	5	
.V.	Abuı	ndance	of T	Cerns:											
0.	Sigh	ings	No.	Bird	.s_		Bi	rds/S:	ighti	ng	Bir	ds/Mi	ile		
	113			115				and the same	, C	5		1. 1			
	Abund	lance o	of Sh	orebi	rds:										
0.	Sight	ings	No.	Bird	S		Bij	rds/Si	igh t i:	ng	Bir	ds/Mi	le		
I.	Abur	ndance	of E	Boobys				-							
0.	Sight	ings	No.	Bird	S		Bir	:ds/Si	ighti	ng	Biro	ds/Mi	le		
	BF	RF B	T	BF	RF	В	T	BF	RF	В	T	BF	RF	B	
	Œ -	11 5	1/_	/ ⁰)	33	7	1,41	O	1,50	1, -,	.62	Ϋ́	, 51	, 11	
II.	Abı	ındance	e of	Friga	tebi	rds:			· · · · · · · · · · · · · · · · · · ·	·		· · · · · · · · · · · · · · · · · · ·			
	Sight			Bird			1	.a.a /c.:	ab+ * *		T)	a	٦.		
<u> </u>	DISII	TIIRS	IVO.	DITU	<u> </u>		DTI	ds/Si		1g	Blr	ls/Mi	те		
777		malero	0.05	והן בין	7.0.5								710		
Tota	al No cks		e of tal frds		Tota F/Mi			No. F Flock		_	No. F Birds		ng	No. F/MI	Feeding
7		<i>C</i>	1 /		- / -	1		/			<u> المح</u> ان /			<u> </u>	

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 2 5 ... + 64

TIME	JAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0100	19 59	157 00			·					1					
0200	19 48	157 00					6								
0300	19 37	157 00													
00	19 25	157 02													
C - 00	19 15	157 61													
0500	19 05	157 00				the same									
0700	19 03	156 57													
0800	19 02	156 57	03	10	10150	263	21		.5		90-5-8	261	17	100	5-12
0900	18.56	156 57													
1000	18 45	156 57		-											
1100	18 35	136 34											The state of the state of the state of		
1200	1525	156 59					T.								
1300	1513	157 00													
1400	1802	157 0	01	10	1014,4	259	21		2		90-5-4	25.9	24	80	5-12
1500	1251	157 01	And the second s												
1,00	17 -/1	157 01	\ .												
1700	1731	157 01													
1809	17 30	157 01				·									
1900	17 28	15701													
2000	17 18	15700	02	10	10/4/3	261	21	State State Season Control	1		90-5-5	26.4	24	70	5-12
2100	17 12	15700										5 - 10			
2200	17 00	157 00				N 200	and the second second second second second								
2300	16 418	159 00							<u> </u>				The second second		
2400	REMARKS.	157 00													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

TIME	TAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1627	157 01								1					
0200	16 16	157 01	02	10	1014.3	262	22		1		40-5-4	265	26	60	5-12
0300	16 67	157 01													
00	16 02	157 01													
C-00	16 02	157 01													
೦೨೦೦	15 50	157 01													
0700	15 39	157 01													
0800	15 28	157 01	16	5	1014,0	251	22		9		80-5-6	267	25	70	5-12
0900	15.16	157 00													
L000	15 04	156 39													
1100	14 52	156 59													
1200	14 40	156 59					7.0								
L300	14 30	157 51													
1400	14 30	157-01	50	2	1012.2	262	24		9		90-6-6	767	16	140	5-12
	14 30	157 01													
L 500	14 30	157 01	7.												
L'700	1-130	15701	1												
L80e		15701													
1900	14 09	15700					- A - M								
2000	13 57	15700	02	5	1011.9	270	24	6	9		90-5-5	767	12	190	5-12
2100	1350	15700													
200	1370	13701													
300	1329	157 07													
2400	REMARKS:	157 03													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 4 Sept 64

TIME	F,AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	13 07	157 04								T	1			T	
10200	13 01	15704	01	10	1012.5	266	24		0		200-5-5	269	18	200	5-12
0300	13 01	157 04													
00	13 01	15204													
0500	12 55	15704													
೦೪೦೦	12 43	15705													
0700	1230	15703													
0800	12.18	15702	0	10	1013.9	264	23		<		50-5.4	268	1/	170	5-12
0900	13 06	15701													
1000	1153	15700									4				
1100	11 42	15700													
1200	11 30	157 00													
1300	1130	157 00												,	
/1400	1127	15658	03	10	1613,1	278	23		3		50-5-4	273	6	130	5-12
1.500	11 23	156 N8													
1,00	11 18	156 38	\												
1700	1113	156 28													
1809	1109	156 18													
1900	11 64	156 69											-		
,2000	10 58	155 58	02	10	1013.8	269	22		3		60-6-4	275	6	100	5 E-12
2100	10 55.	15553													
2200	10 50	155 42													
2300	10 44	15531													
2400	DEMARKS.	155 20													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

SI-MNH-955c 3-4-64 DATE 5 Sup A 64

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	10 33	115509												1	
-0200	10 28	15458	63	2	1013,8	261	2 3		9		60-6-3	273	06	70	SE-12
0300	1022	154 47													
	10 17	134 56													
0-00	10 11	154 25													
0U00	16 06	15414				Add and and and and and and and and and a									
0700	10 01	15403													
_0800	09 59	153.58	02	10	1013.9	239	23		6		49-6-2	271	07	130	E-12
0900	10 06	13358													
1000	10 18	15358													
1100	10 30	153 38										40.00			
1200	10 42	153 58					2								
1300	10 55	153 59													
1400	11 08	153 59	02	25	1012.5	240	23		3		49-6-2	277	15	70	N-12
1500	11 21	134100													
1,00	1134	15400	N				01								
1700	11341	15400													
1809	1138	134100													
1.900	1150	15400													
,2000	1203	15402	03	10	1013,0	261	23		5		49-6-2	275	12	40	N-12
2100	1211	15404	^				And the second							of Alexander of the Committee of	
2200	12 23	15406		/											
2300	1235	15406					The state of the s								
2400	12 47	15408													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIED DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; YWAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

× 49 = Confused

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 6 Sont 64

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
01.00	13 01	15410			·										
0200	1302	15410	0	10	1013,0	263	22		3		50-5-0	271	14	50	N-12
0300	1312	15411													
00	1324	154 13													
C-00	13 36	154 14													
0000	13 48	15415								-5					
0700	1400	154 13													1/10
-0800	1412	14409	07	10	1014,0	266	24		4		30-5-4	7.68	18	30	N-12
0900	14 24	13405													
1000	14 30	15404													
1100	1432	15404				20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							Property of the Control of the Contr	and the second s	
1200	14 44	14403													
1300	14 56	15402											1/	(7)	N-12
1400	15 6 8	15401	02	10	10/2.3	268	22		4-/		70-1-3	269	16	30	
1500	15 20	13400													
1,00	15 32	15400	· ·												appearance of the control of the con
1700	15 7 4	15359													
1809	115 5 5	15358													
1.900	1600	153 59			a partir a company of the contract of the cont					***				10	
2000	1605	15355	03	10	1014,3	263	23		5		20-5-5	263		50	N-12
2100	16 10	15358													
2200	1622	15358										-			
2300	1634	15358													
2400	1646	15358									1				

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 7 Sept 64

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	16 58	15358			·										
0200	17 10	153.58	01	10	10141,0	235	22		0		50-6-5	259	19	050	N-12
0300	1722	133 38													
00	17 31	15358													The state of the s
C-00	17 32	153 58													
0500	17 73	153 58													
0700	12 54	153 58											1	060	A.c 1. A.
0800	18 06	153 57	03	10	1013,0	261	22		8		40-6-6	261	R	080	N-12
0900	18 17	153 58													
1000	1828	153 58													
1100	1839	133 38												Constant of the Constant of th	
1200	18 49	15358													
1300	1900	153 58) ()	A 70	N-12
1400	1901	153 58	6	10	1013,1	260	20		3		60-6-3	256		0.70	
1500	1913	15358													
1,00	1925	153 59	N.												
1700	1937	15359													
1800	1949	15400													
1900	20 00	15400				AV. S. S. A. Vann	11 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -							0/1	h/ 1-
2000	26 12	15400	02	10	1015,4	238	21		7		50-6-3	236	17	060	N=12
2100	20 18	15400													
2200	20 30	154 00				The state of the s									
2300	20 32	15359													
2400	20 39	114349													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WILD DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 8 Sept 64

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	120 32	15 3 58													
0200	2104	15359	02	10	1016.9	259	21	!	2		66-6-4	254	22	50	N-12
0300	2 16	133 59													
.00	2129	153 59													
0-00	21 41	13359													
0000	2153	15359													
0700	22 60	153 58													
0800	2205	15 3 59	02	15	1017.2	250	21		4		50-6-4	253	13	70	N-12
0900	12217	153 37													
1000	2 2 2 9	153 36													
1100	2241	153 38											المحاسد والمعاش ووواردن يتدارد		
1200	22 52	13400													
1300	23 05	15400													
1400	23 17	153 59	0	10	1017.5	264	21		3		40-5.4	255	17	90	N-12
1500	23 28	153 38													
1 500	23 30	153 57	· \												
1700	2 3 30	153 47													
1800	7 3 30	15335													
1900	23 30	153 24													
2000	23 30	153 12	18	5	1014.1	249	19		8		80.5.5	236	18	100	E-12
2100	23 30	15307			and the second							405			
2200	23 30	152 55													
2300	2330	152 43					Commission of the second								
2400	2330	152 32			Al galactic										

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MOLES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 9 5 mt 64

TIME	TAF	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0100	23 30	152 21										- 21			E - 12
_0200	23 30	152 09	20	5	1619.0	339	18		7		100-6-5	254	16	100	L +
0300	2330	151 98													
00	23 30	15148													
C-00	23 30	13137													
0500	73 30	1151 27													
0700	23 27	15/	4.6	. 2-	1 4 6 4 4	R	19				50.6-3	250	17	20	E-12
0800	23 2 1	151 06	64	16	102012	235	3 1		and the same						
0900	23 2 7	13/00													
1100	2310	15100											ann oban market en de sant de sant de sant de sant de sant de sant de sant de sant de sant de sant de sant de	No. of the last of	
1200	2300	13102				The second second second									
1300	22 49	15107												N/A	
1400	2238	15/02	CI.	10	1018.8	240	19		6		130-6-5	2414	14	140	3-12
1.500	2227	13101													
1500	2215	13101													
1700	7703	13101													
1800	2200	16101			0 2 2 1 5	1-2									
1900	2157	15101										22/	110	1 >	5-12
-2000	2145	15100	01	10	1018.0	251	19	-	The state of the state of		60-6-5	276	13	60	3
2100	2141	15100										-			
2200	2129	15100				ikeessi keessi sa									
2300	2118	15/00													
2400	2106	15100									!				

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 10,5 mg & 64

TIME	F,AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	2015	13725													
0200			50	2	1017.7	247	20	1	7		60-6-5	255	23	60	5-12
0300	20	1 4 1													
	20 1	1 -													
C-00		100													
೦೨೦೦						The state of the s									
0700	91.	•													
0800		1 1 1 1 1 1 1 1	02) (1016,4	241	20		7		120-6-5	256	14	100	5-12
0900	1 1 .														
1000	14 3.	/ 7													
1100	1.1	1												The Value of State of	
1200	19														
1300															
1400	1		01	10	1014.3	261	20		3		50-6-6	258	16	50	5-12
1500	15	1 - 1 - 1 - 1 - 1													
1,00	(8 32		N.												
1700															
1800	1														
1900	101 = 5	1.11 51													
2000		11,11137	16	2	1015,8	251	21		8		70-6-6	259	20	50	5-12
2100		1							30 00 00 00 00 00 00 00 00 00 00 00 00 0					The second section of the second	
2200	17 -5	111													
2300	1000	. 5 . 7											Lawrence of the state of the st		
2400	11 = 1	/ / / -													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL M. ES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 11 Sept 64

TIME	J.AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1	1													
0200	1 1 1 =	1.01.5		5	1 . 1 . 1	21.5	2		5		75-60-7				2-12
0300	• 1	- 1													
00	10														
C-00	16 -														
0500	11.16	113													
0'700	,	3													
-0800	1	3	6.9	1	1 1 1	7 6.1			5		71 - :			1.	5-12
0900	15 5-														
1000	15	3													
1100	1 4 2 4	1												The state of the s	
1200	13.47	1 ~ =													
1300	1 - 4	1													
1400	100				15/3.3	4 4					72-1-5	261	- A	6	
1.500) -1 -	S ₁													
1 100	125	٠	\.												And the second s
1700		/													
1800	1 -1														
1900	11/2/3	1-2 - 1-5													
-2000		-1-5 (2 -3 3			1112	1			. 7		77-1-5	-2			
2100		1.													
2200	v														
2300							The second of th								
2400															

REMARKS:

ALL TIMES LOCAL (WHISKEY); WILLD DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

1

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 12 Sunt 64

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	06	587-1-1												T	
0200	1 1	• 1 • 1				. / ()	, 11	1	4		٠, .				- 0
0300	1756	151-1													
00		51													
C - 00	12 72														
0000		1					10.								
0700	1					e e e									
0800									1		6		,	ph.	
0900	11 4	1:152					7								
1000	4	1 0, 1													
1100	2 %	1 2 0 1													
1200						***	The state of the s			e esculused, il ee					
1300	. 22	8													
1400	11 17	150 77	A A		1	۵			: '		11.7-	11.7		1	
1500	11 12	15 26													
1,00	11 / 4														
1700	11 : 21	15. 05							*- *						
1800	Ar.	10													
1900	1 - 1	,													
2000	10	J. U 3 E			, ,	2			• /		1		9		T 1 - 1 - 2
2100	, .	111					The state of the s		one, in his one of the con-				The state of the state of	TO A DESCRIPTION OF THE PERSONS	
2200	10 77	1-1-1					31								
2300	16. 3 3	1-1-1-7			· · · · · · · · · · · · · · · · · · ·		to the second second								
2400	1	1 -2													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 13 5 m A 64

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0100	110 -	143 45												1	
0200	10 15	148 34	01	10	10125	255	74		3		50-6-3	273	15	30	5 = 12
0300	10 01	1215													
00	16:4	12/4 /													
0500	04 15	147 51													
0500	* 1	7 5													
0700	11 :4				2-										
0800			01	10	10134	264	24		14		20-5-5	27/	19	50	N-17
0900	2.	10 3 4 1													
1000	1	- 10-													
1100	6	1 ,									1			Tipped?	
1200	1 1	1.				0.00 84-52 (11/2/20)									
1300		/													
1400	2 1		61	10	10/25	270	24		2		410 -5 -5	271	19	30	11/-12
1500	1.1														
1,00	11 3	3													
1700	10. 9/4	114 1 2				***									
1809															
1900	1.09														
<i>j</i> 2000	}		03	10	10130	272	24		6		40-3-3	219	13	50	N-12
2100							A State Stat		The same state of the same sta		No. of the National Property of the National P		- Supering and make		
2200	1														
2300						And an experience of the second									
2400	11' 2	1 - 1 - 1											12 30.0%		

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MELES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 14 5 ept 64

TIME	F.AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	. ~														
0200		1.00	20	5	101410	259	25		6		40-5-5	269	14	40	W-12
0300		1.2.5													
00	1 7 -	7 51													
C-00	1 " " " " " " " " " " " " " " " " " " "														
0000	17 00	10/9/201				the same of the same of									
0700	1 - 2														
0800	1- 7-1		01	10	1015,3	260	25		3		20-4-5	266	14	20	N -12
0900	1.1 38	1				7.0									
1000	10	1													
1100	4 3 7														
1200	1.1.51					1.12-0.0	T.								
1300	ď.		3.1												
-1400			14	10	1013,9	270	24		6		40 - 5 - 5	263	20	\$6	16-12
1500		7/													
1,00	15														
1700	• •					(c) = 0° · 1 ac ≥									
1809	1600	1													
1900	/ ,	111/													
-2000	16 15	10922	01	10	1016.6	265	2 3		8		40-3-5	263	21	80	N-12
2100	16 2							The second secon	man de la gradición de la companya d	P4			The state of the s	and the second s	
2200	1.4 = 3	1 + ,													
2300	1643	1 -				or a management of the second	Section Control of the Control of th								
2400	/				140										

REMARKS:

ALL TIMES LOCAL (WHISKEY); WILD DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL ME AS; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 15 Sept 64

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	17 01	1218 (1													
.0200	17 15	10 7 4 -1	40	05	1016.5.	251	23		6		40-5-5	259	21	60	N-12
0300	172	1417 43													
00	1 7 7 7	V													
C-00	1727	1 -1 -1													
0000	17:1	4.7													
0700	1 1	1.15													
0800	7 45	1.7.20	0	10	1017.4	235	21		2		60-5-5	260	22	76	N-12
0900	10.1	12/1													
1000		10-													
1100	1-14	1													
	0	1 - 1 - 1 - 1													
1300	1540	1719 39													
1400	18 51	1-17 34	03	10	1617,4	252	22		8		-60-5-5	239	1.5	60	N-12
1500	18 37	1.11													
1,00	102 02	1-1-19 56				of the state of th									
1700	1-3	1.11													
1800	24	11. 17													
1900	5	1111													
2000	19 11 7	1 61 11 2	01	10	1018,2	235	21		4		70-3-5	252	17	70	11/-12
2100							100.00								
2200	25 55	1-1-1-1-2													
2300		1 = 1													
2400					10 m										

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MADES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 16 Sept 64

CIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	3 - 3 7	*		1											
0200	1	,	02	10	10180	240	20		1-1		60-5-5	233	17	40	N-1200
0300															
00	21 5	1011/35		be a No.											
C 500	21. 12														
ეს00	21 30														
0700	4, 7	11.													
.0800	-/		14	10	1018,4	248	20		6		20-5.5	233	10	60	N-12
0900															
1000		8		-											
1100	- 1 1 1	, ,											a short was the table to the total	Sand County of	
1200	20 26	1.10 57				Valuation in the	7								
1300) ,,,													
1400	27 114	1 - 6	0	10	1016.8	232	20		7		30-5-5	250	18	80	N-12
1500	11	14738													
1,00	23 12	1-1.													
1700	232.	1 - 1													
1800	23 27	1- "												1	
1.900	7333	1217 20													
2000	2 - 45		01	10	1014,0	246	19		3		30-5.5	250	15	80	N-12
2100				, , , , , , , , , , , , , , , , , , ,					The state of the s						
2200	2 -1 1.														
2300	21111	1 1 1				271									
2400	2. 1 7.														

REMARKS:

ALL TIMES LOCAL (WHISKEY); WILLD DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 17 520 764

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0100	711	119 19			·										
0200	1, 11 21		_ 2	12	17511	7. 1.	į				Î				10000
0300		6_													
00	75 -0	1.1)													
0-00	2309	1.11													
0000	2 - 1	12/11													
0700	2574	121-7													
0800	45 4	145			1111						71 - 1 - 1				
0900	7 - 53	-1-													
1000	15	1115													
1100	2 /	1.1.2 00					-								
1200	26	<u> </u>		THE PERSON NAMED IN COLUMN											
1300	26 27	1450 E											2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
1400	21.1	1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	j	- 10	10211	2 - "						7 1 7			
1500	211	146 27													
1 100	26 11	1418 39													
1700	2601	148 49													
1800	2601	149 01													
1.900	23 15	149 13													
2000	25 49	1 6- 1			10217	2111					Þ	2 44 5	°		
2100	2546	14430			S. S. Parting Company of the Company										
2200	25 40	1494.3								ii.					
2300	2534	1612 54				to the terminal of the second									
2400	12325	14665			A SALE			1							

REMARKS:

ALL TIMES LOCAL (WHISKEY); WILD DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 19 Earl 14

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	25 22	150 16													
0200	25 /5	150 28	41 4	9	•	4-	-)			٠	` _M		
0300	25 1	1 - 41/													
00	15 62														
C-00	-	15105													
0500	2-153	151 65													
0700	11 35	151 14			-A										
0800	17.7	11128	4 7												
0900	1 1 1 K	1-141													
1000	2457	10165													
1100	21/58	16.09													
1200	24 <-	150 22		20 C C C C C C C C C C C C C C C C C C C		September 1984 and									
1300	2 4 5 9														
1400	2151	152 0	7.2												
1500	24 59	153 05													
1,00	7500	15: 17													
1700	2500	153 71													
180a	04.70	152 HJ													
1900	2 3 /	1 - 31													
2000	7.100	1311 51) /		Samuel and St. and St.	8 J	00								
2100	2540	1501-1					and the state of the state of								
2200	2 < 6.	15 11 11													
2300		154 -													
2400	2 10	15,1													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 195.41 (4)

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0100	23 50	134 55									İ		1		
0200	2 4 6 6	155 38	0	,	1-0	r	-71 (1)	!			.,,				
0300	2:	155 12													
.00	2500	155 36		The second second											
C-00	2526	155 50													
೦೨೦೦	21159	156 25				The state of the s									
0700	24 51	15620													
0800	2 4 77	156 :11	5 7	1.5	1	_2 11					70)			
0900	24 4	131 419													
1000	3-1	1-700													
1100	4	157 00					-						- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10		
1200															
1300	7.														
1400	11 -6) _ ;		4,3,						111	-11.			
1500	1 4	1. ")													
1,00	2 1 02.	151.32	X												
1700	5 3														
1809	4 3														
1.900	27 73	-1													
2000	2 7 2 4	157 30		5		12 .	2		/		10-1-5	256	/ /	90	1
2100	3 3 3 8														
2200	23 18	157								4					
2300	301						The second secon								
2400	2104														
	REMARKS:														

ALL TIMES LOCAL (WHISKEY); WILLD DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 2: ()

TIME	J,AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	99 14	13- 22						I							
20200	2 ,	/ _ / / _ / _ / _ / _ / _ / _ / _ /	1	5	,	. 1.	22_	1	7		15 6 35 5		,		~
0300	2	()													
(1.00															
C-00												Anna Trans			
0000	2 \$ 55	157 05													
0700	21 5049	157 11				•									
0800	21 45 40	157 17	- 41		1917	2					1-1-1-1	2	2	7	
0900	21 33	137 24													
1000	21 25	157 31													
1100	21 15	157 39													
1200	INPORT			3 (17, 11, 12 -21 , 17, 20-31		55 to 5 to 5 to 5 to 5 to 5 to 5 to 5 t	70			2					
1300	r 3	4 1 58													
1400															
1500															
1,00															
1700				767											
1800															
1.900															
2000					and the second s	144 E 14 E 14 E 14 E 14 E 14 E 14 E 14									
2100					Contraction of the second		A CONTRACTOR OF THE STATE OF TH								
2200															
2200 2300 2400							The second secon								
2400															

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MALES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 15 mt 64

TIME	F,AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA 7	TEMP WIND S	WIND D	SHIP COURSE/SPD.
0100	1														
0200 0300 0400 0500															
0300															
00															
0-00															
೦೨೦೦															
0700															
0800 0900 1000															
0900															
1000															
1100						1.0							and the second s	- 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
1200															
1300	-11:1	157 5.0													
1400	12	5													
1500	0:	4.4													
1500	5 8	34	N. Carlotte			1.5									- American - Control - Con
1700	20 52	15731			,										
	20 45	157 24													
1900	70 39	157/6					-								
2000	20 34	157 16				The state of the s	2. 1. 1. 2.00		and the second of the second			and the second second second		a studential state of the sections.	
5100	20 34	157 16													
2200	20 29	157 14					The state of the s			19					
2300	20 15	137 06													
2400	DEMADIC.	15701													

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MELES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS